

Site Compliance Report

Site No: REG612605
Site Owner: Waikato District Council
Site Name: Pokeno Urban Area: Stormwater
Date: 3 June 2021

1 INTRODUCTION

The following resource consents are held for the site:

Resource Consent	Status	Description	Commenced	Expiry
AUTH108591.01.01	Current	Replace an existing 500mm culvert with an 1800mm culvert in the bed of an unnamed tributary of the Tanitewhiora Stream & temporarily dam & divert the unnamed tributary during the associated works	15/04/2003	1/04/2038
AUTH108592.01.01	Current	Divert and discharge urban stormwater runoff and associated contaminants at multiple locations to land, the Tanitewhiora Stream, Helenslee Stream, and use discharge structures in the general vicinity of Pokeno Urban Area	27/11/2008	14/11/2028

This report examines the level of compliance of Waikato District Council with the selected conditions of the resource consents.

2 BACKGROUND

The Pokeno stormwater system is operated and managed by Watercare Services Limited (WSL) on behalf of Waikato District Council (WDC) and the local community. The Pokeno area has undergone extensive development over the last ten years in commercial, industrial and domestic housing zones. This area was formerly operated by Franklin District Council prior to the boundary changes that occurred in 2010 when this area came under the auspices of the Waikato District Council.

The level of stormwater asset growth in relation to the extreme development of the area has meant that a high level of control and monitoring of the development and subsequent stormwater management has been required. It is recognised that by developing a previously rural area to increase its urban footprint, this will have increased the volume of stormwater being generated and requiring this flow to be attenuated and directed into structures and water ways without causing any adverse effects through flooding, erosion or scour of existing waterways that had previously had to manage much lower flows.

The comprehensive stormwater discharge consent was intended to manage the stormwater activity around the Pokeno Catchment however the consent holder has not always managed to meet the full aspects of the condition requirements adequately. WRC has also not given stormwater monitoring its full attention in previous years and this combination has led to some previously unknown issues arising over time and being noted during this audit process. The consent holder has now entered into a contractual arrangement with WSL to manage its 3-waters operation, and as part of this WSL have employed a dedicated stormwater engineer to improve the reporting and monitoring of the WDC stormwater assets and this process is working to improve the level of compliance going forward.

The Pokeno area due to its significant level of development has been required to provide a catchment management plan in 2002. The purpose of the CMP is to:

1.2 PURPOSE

The purpose of the Stormwater CMP is to achieve the best practicable stormwater management of the effects of development, such that adverse effects are avoided, remedied or mitigated, and positive effects are optimised and assured, within the Pokeno catchment.

The objectives of the Stormwater CMP are to:

- Provide information to be incorporated into a plan change to the District Plan for the Structure Plan area.
- Provide alignment with the draft FDC Comprehensive Stormwater Discharge Consent (CSDC) for Pokeno and to support future municipal stormwater diversion and discharge activities in the greater Pokeno Catchment.
- Guide the stormwater management regime for the Pokeno Catchment and to support developer consent applications at subdivision stage.
- Specify appropriate stormwater measures available to guide the mitigation of the effects of subdivision or development, within the catchment.

2.1 PREVIOUS COMPLIANCE PERIOD

Date Period	Site Compliance
1 July 2019 to 30 June 2020	Significant non-compliance
1 July 2018 to 30 June 2019	Not assessed
1 May 2018 to 30 April 2019	Full compliance
1 July 2017 to 30 June 2018	Not assessed
1 July 2016 to 30 June 2017	Not assessed
1 July 2015 to 30 June 2016	Not assessed

3 COMPLIANCE ASSESSMENT

Unless otherwise specified in this document this assessment covers the period from **1 July 2019 to 30 June 2020**.

This compliance assessment has been undertaken based on the submitted annual report by the consent holder, monitoring data supplied throughout the compliance period and any site inspections undertaken. Some administration, duplicate or irrelevant conditions have been omitted for brevity.

Please note that a description of the classification system used to describe compliance status is given in Appendix 1 of this report. Relevant documents on which this assessment is based are listed below:

Annual report WRC doc ref 17579586
Stormwater Management Plan WRC doc ref 20496192.

AUTH108591.01.01 - Bed - structure

Activity Authorised: Replace an existing 500mm culvert with an 1800mm culvert in the bed of an unnamed tributary of the Tanitewhiora Stream & temporarily dam & divert the unnamed tributary during the associated works	
Condition No.	Description
1	The culvert extension shall be constructed in accordance with the application for this resource consent and as identified in the resource consent conditions below.
Evidence	This consent relates primarily to the construction phase of this structure and is no longer monitored as a matter of course unless complaints or issues arise. During this compliance period no complaints or reports relating to this structure have been received by WRC.
Status Reasoning	
Action Required	Not assessed
	Authorisation Compliance:
	Not assessed

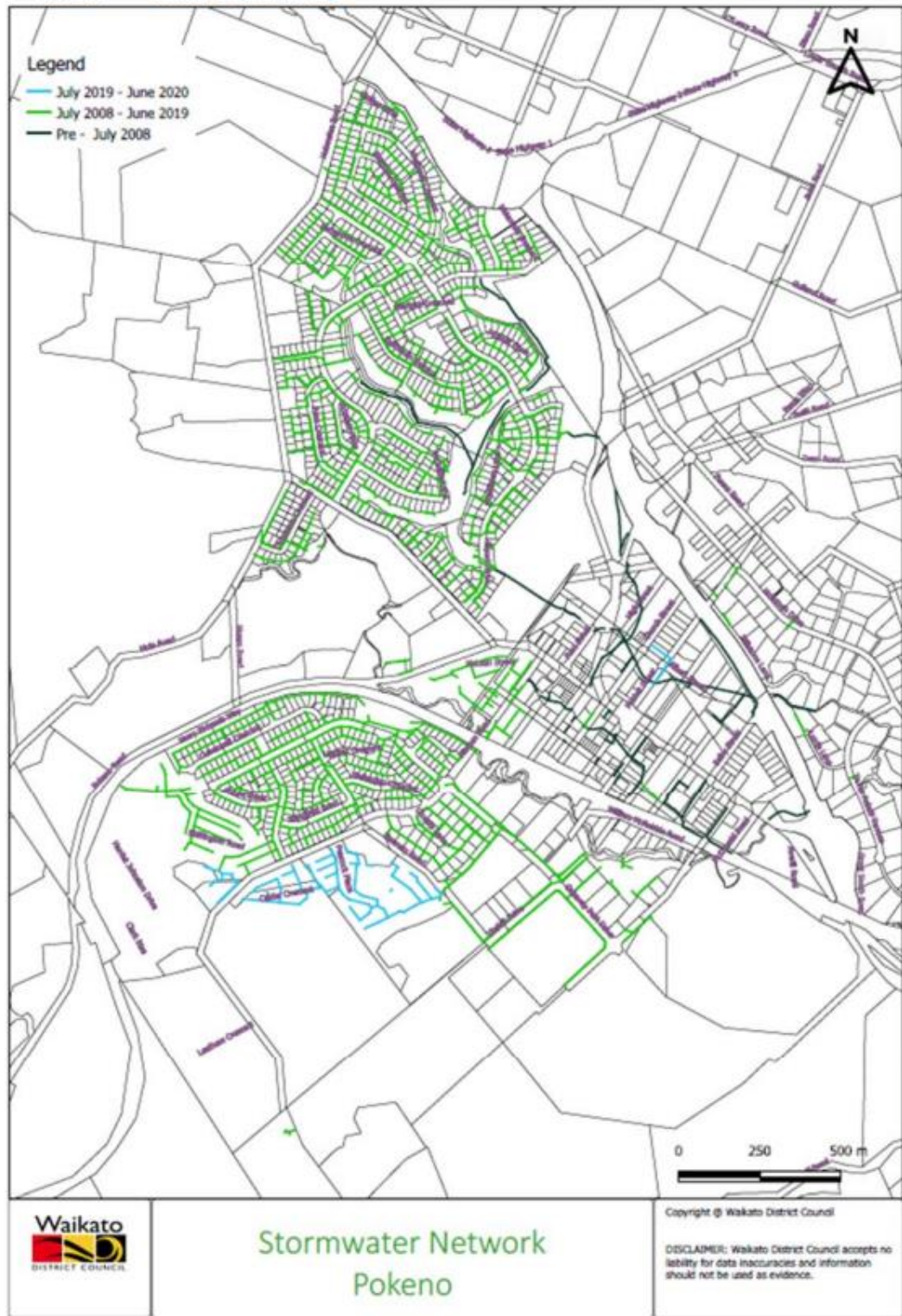
AUTH108592.01.01 - Water - stormwater

Activity Authorised: Divert and discharge urban stormwater runoff and associated contaminants at multiple locations to land, the Tanitewhiora Stream, Helenslee Stream, and use discharge structures in the general vicinity of Pokeno Urban Area	
Condition No.	Description
1)	This consent is subject to the General Conditions listed in Schedule A.
Evidence	See assessment of schedule A below Performance and consent compliance for the 2019/2020 reporting period for Pokeno's urban area is summarised below.
Status Reasoning	
Action Required	Full compliance
2)	All municipal stormwater diversion and discharge activities that are authorised by this consent shall be designed, operated and maintained in general accordance with the application for this consent, the General Conditions in Schedule A of this consent, and as identified in the resource consent conditions below.
Evidence	It is generally accepted that WDC designs constructs and maintains its stormwater assets to accepted building standards and in line with RITS.
Status Reasoning	
Action Required	Full compliance
3)	Except as provided for by Condition 4 of the General Conditions listed in Schedule A of this consent, all municipal stormwater diversion and discharge activities that are authorised by this consent relate to the Franklin District Council municipal stormwater system as constructed at the commencement of this consent, and as generally shown on the Franklin District Council Pokeno Catchment Map dated 17 January 2008, or any subsequent catchment map approved by the Waikato Regional Council acting in a technical certification capacity. Any new municipal stormwater diversion and discharge activities that become authorised after the

granting of this consent shall be shown on an updated version of the Pokeno Catchment Map, and this shall be provided to the Waikato Regional Council in accordance with Condition 5 of this consent.

Evidence

WDC asset maps have been updated to include any additional stormwater assets constructed and adopted within the current compliance period of 2019-2020.



Status Reasoning

Action Required

Full compliance

4)	<p>The consent holder shall retain suitably qualified and experienced persons to prepare a monitoring programme. The objectives of the monitoring programme are to: - Investigate the actual and potential adverse effects of the municipal stormwater system's diversion and discharge activities on the receiving environment; - Provide information that will be used to determine stormwater management initiatives that, through implementation, will avoid, remedy or mitigate actual or potential adverse effects on the receiving environment; - Determine compliance with the conditions of this consent. As a minimum, the monitoring programme shall include: a) Monitoring for visual signs of contaminants in stormwater (conspicuous oil or grease films, scums or foams, floatable suspended materials, conspicuous change in colour or visual clarity). b) Monitoring to identify adverse scour and erosion effects caused by municipal stormwater diversion and discharge activities. c) Monitoring to identify adverse flooding effects to land and property caused by municipal stormwater diversion and discharge activities. d) Monitoring to identify municipal stormwater diversion and discharge structures that are impeding the upstream and downstream movement of fish. e) Monitoring to ensure that all municipal stormwater system management devices are maintained in good working order, and stormwater quality treatment devices achieving optimal contaminant removal efficiency at all times. f) Monitoring to determine efficient street and catchpit cleaning operations and frequencies. g) Monitoring to identify informal wastewater system connections to the municipal stormwater system, and to gauge wastewater pump station overflow frequencies. h) Monitoring to determine municipal stormwater system collection points that are at risk from non-routine contaminant discharges. The monitoring programme shall be to a standard acceptable to the Waikato Regional Council acting in a technical certification capacity, and shall be forwarded to the Waikato Regional Council by 30 April 2009 for approval. The consent holder shall review the monitoring programme on a triennial basis and shall forward any suggested alterations to the monitoring programme to the Waikato Regional Council for approval. The Waikato Regional Council will review and may alter the monitoring programme (in scale and/or method and/or location) after having had regard to the consistency and significance of the monitoring data collected, and/or any other information relating to the activities authorised by this consent. This may result in discontinuing or altering various aspects of the monitoring programme to initiate stormwater flow monitoring, stormwater quality sampling, sediment quality sampling and/or biological sampling of stormwater receiving waters, as considered appropriate. Note: Waikato Regional Council staff will consult with Franklin District Council staff prior to requiring any significant alterations to the monitoring programme.</p>
Evidence	<p>WDC has entered into a contractual arrangement with Watercare Services Ltd to operate and monitor the stormwater assets of the district. Andrew Baldero is the stormwater engineer given the task of performing this role. A new monitoring program is being introduced and undertaken by WSL as previous monitoring was either inadequate in its coverage or not undertaken as required. sampling was undertaken 3 times during this compliance period. a fourth sampling round was cancelled due to COVID restrictions.</p> <p><i>a) Monitoring for visual signs of contaminants in stormwater (conspicuous oil or grease films, scums or foams, floatable suspended materials, conspicuous change in colour or visual clarity).</i> - unclear as to the level of monitoring for conspicuous visual contaminants present in stormwater but likely to be nil or very few.</p> <p><i>b) Monitoring to identify adverse scour and erosion effects caused by municipal stormwater diversion and discharge activities.</i> - details in the file are sketchy and it is unclear as to the level of monitoring for adverse scour and erosion effects caused by municipal stormwater diversion and discharge activities. Its more likely that is WDC receives a complaint about an issue then it might respond to the reported incident.</p> <p><i>c) Monitoring to identify adverse flooding effects to land and property caused by municipal stormwater diversion and discharge activities.</i> - again not sure any active monitoring would occur or even be possible. If flooding occurs it is usual that the affected parties would report this to the district councils (10 incidents during this period) for a response/clearance of blockages</p> <p><i>d) Monitoring to identify municipal stormwater diversion and discharge structures that are impeding the upstream and downstream movement of fish.</i></p> <p><i>e) Monitoring to ensure that all municipal stormwater system management devices are maintained in good working order, and stormwater quality treatment devices achieving optimal contaminant removal efficiency at all times</i> - no information is contained in the annual report on whether any monitoring of maintenance issues is undertaken. there have been 3 maintenance issues recorded in the WDC CRM system during this period however no further details have been given.</p> <p><i>f) Monitoring to determine efficient street and catchpit cleaning operations and frequencies.</i> - no information pertaining to the frequency or efficiency of catchpit cleaning has been provided in the annual report. It is assumed that this does occur however the frequency may result in flooding issues if not undertaken at regular intervals.</p> <p><i>g) Monitoring to identify informal wastewater system connections to the municipal stormwater system, and to gauge wastewater pump station overflow frequencies.</i> - the WDC attends all wastewater incidents that result</p>

	<p>in a spill to the stormwater system. No formal connections or illegal ones have been identified or reported to WRC.</p> <p><i>h) Monitoring to determine municipal stormwater system collection points that are at risk from non-routine contaminant discharges. The monitoring programme shall be to a standard acceptable to the Waikato Regional Council acting in a technical certification capacity, and shall be forwarded to the Waikato Regional Council by 30 April 2009 for approval. The consent holder shall review the monitoring programme on a triennial basis, and shall forward any suggested alterations to the monitoring programme to the Waikato Regional Council for approval. The Waikato Regional Council will review and may alter the monitoring programme (in scale and/or method and/or location) after having had regard to the consistency and significance of the monitoring data collected, and/or any other information relating to the activities authorised by this consent. This may result in discontinuing or altering various aspects of the monitoring programme to initiate stormwater flow monitoring, stormwater quality sampling, sediment quality sampling and/or biological sampling of stormwater receiving waters, as considered appropriate. Note: Waikato Regional Council staff will consult with Franklin District Council staff prior to requiring any significant alterations to the monitoring programme. - The monitoring program has not been reviewed as often as required. and is not up to the required standard. A new monitoring program is being compiled at this time and should provide a much clearer picture of stormwater quality in the Pokeno area going forward.</i></p>
<p>Status Reasoning</p>	<p>Monitoring has not been undertaken to the required standard. A new monitoring program is being compiled and should be updated and reviewed as required. The previous monitoring has been a reactive one that primarily responds to complaints rather than being a proactive one.</p>
<p>Action Required</p>	<p>Please compile and submit a new (reviewed) monitoring plan that meets the criteria set out in the condition before the start of the next compliance periods monitoring season.</p> <p style="text-align: right;">Medium priority non-compliance</p>
<p>5)</p>	<p>The consent holder shall provide to the Waikato Regional Council a written management report by 30 April 2010 and annually thereafter for each year that this consent is current, unless otherwise advised by the Waikato Regional Council acting in a technical certification capacity. As a minimum this report shall include the following: a) A detailed summary of the Stormwater Management Plan initiatives undertaken during the year, along with the results of these initiatives. Also a detailed summary of the Stormwater Management Plan initiatives that are proposed for the coming year, along with any proposed amendments to the plan if/where considered appropriate by the consent holder. b) Results of the monitoring required by Condition 4 of this consent, along with a critical analysis of the data, a detailed summary of the findings, a comparison of the findings to relevant literature and guideline documents, identification of any emerging trends and specific reference to the requirements of Conditions 22 - 26 (water quality conditions) of this consent. Suggested modifications to the monitoring requirements of Condition 4 should also be provided, if/where considered appropriate by the consent holder. c) A detailed summary of the level of compliance achieved with all conditions of this consent, including any reasons for non-compliance or difficulties in achieving compliance. d) Details of all non-routine contaminant discharge incidents that have been responded to, and a summary of the outcomes of these incidents. Also identification of any changes in incident response protocols, or any management decisions that have been implemented to reduce the occurrence and/or potential effects of these types of incidents. e) A detailed summary of significant complaints received in regard to the activities authorised by this consent. A summary of how these complaints have been responded to should also be provided. f) An updated Pokeno Catchment Map showing all new municipal stormwater diversion and discharge activities authorised by this consent. g) Details of any other matters relevant to this consent and/or that the consent holder wishes to report. Note: for the purposes of (5)(b), relevant literature and guideline documents are considered to be historical data, the guidelines set out in the NIWA 'Urban Runoff Data Book' (1993), and the Guideline Trigger Levels in the Australian and New Zealand Environment and Conservation Council Guidelines for Fresh and Marine Water Quality (2000), or any other technical publication approved in advance by the Waikato Regional Council acting in a technical certification capacity.</p>
<p>Evidence</p>	<p><i>a) A detailed summary of the Stormwater Management Plan initiatives undertaken during the year, along with the results of these initiatives. Also a detailed summary of the Stormwater Management Plan initiatives that are proposed for the coming year, along with any proposed amendments to the plan if/where considered appropriate by the consent holder. - non-compliant no details found in the annual report</i></p> <p><i>b) Results of the monitoring required by Condition 4 of this consent, along with a critical analysis of the data, a detailed summary of the findings, a comparison of the findings to relevant literature and guideline documents, identification of any emerging trends and specific reference to the requirements of Conditions 22 - 26 (water quality conditions) of this consent. Suggested modifications to the monitoring requirements of Condition 4 should also be provided, if/where considered appropriate by the consent holder. - partial compliance - a sample</i></p>

	<p>summary is included within the annual report along with some further detail on the faecal coliform sample results.</p> <p>c) A detailed summary of the level of compliance achieved with all conditions of this consent, including any reasons for non-compliance or difficulties in achieving compliance. - compliant</p> <p>d) Details of all non-routine contaminant discharge incidents that have been responded to, and a summary of the outcomes of these incidents. Also, identification of any changes in incident response protocols, or any management decisions that have been implemented to reduce the occurrence and/or potential effects of these types of incidents. - partial compliance - some information pertaining to non-routine contaminant discharges was included but it was more of a summary of numbers rather than any detail.</p> <p>e) A detailed summary of significant complaints received in regard to the activities authorised by this consent. A summary of how these complaints have been responded to should also be provided. - Partial compliance - the summary again was of the number of incidents but very little detail about the individual incidents was provided</p> <p>f) An updated Pokeno Catchment Map showing all new municipal stormwater diversion and discharge activities authorised by this consent. - compliant</p> <p>g) Details of any other matters relevant to this consent and/or that the consent holder wishes to report. Note: for the purposes of (5)(b), relevant literature and guideline documents are considered to be historical data, the guidelines set out in the NIWA 'Urban Runoff Data Book' (1993), and the Guideline Trigger Levels in the Australian and New Zealand Environment and Conservation Council Guidelines for Fresh and Marine Water Quality (2000), or any other technical publication approved in advance by the Waikato Regional Council acting in a technical certification capacity. - assumed compliance</p>	
Status Reasoning		
Action Required	Please ensure the annual report contains adequate responses and information in order that a complete compliance assessment can be made	Medium priority non-compliance
Schedule A 1)	The consent holder shall be responsible for the design, maintenance and physical integrity of the municipal stormwater system, and shall operate and maintain the municipal stormwater system to avoid, remedy or mitigate adverse effects on the environment.	
Evidence	<p>The WRC stormwater and development guidelines along with the Regional Infrastructure Technical Specification (RITS) outlines the required standards to provide an effective utility service.</p> <p>Design, maintain and operate a robust, sustainable and compliant stormwater system. Scoring is based on the overall performance of consent compliance for Pokeno.</p>	
Status Reasoning	WRC has no evidence that this is not the case.	
Action Required		Full compliance
Schedule A 2)	The consent holder shall not undertake any changes to the municipal stormwater system which would increase the scale and/or intensity of actual or potential adverse effects of municipal stormwater diversion and discharge activities on the receiving environment.	
Evidence	<p>Updates of assets are managed through the consenting process and communication with the LDE team (WDC). Changes to assets are managed by the main WDC database and reported each year. Urban area asset maps have been updated and included in this report.</p> <p>Database management to migrate to WSL. Up to date functionality and reporting of asset data.</p> <p>Asset surveys currently being commissioned for Pokeno for completion in 2023.</p>	
Status Reasoning		
Action Required		Full compliance
Schedule A 3)	The consent holder shall seek to implement Best Practicable Options to minimise actual and potential adverse effects of municipal stormwater diversion and discharge activities on the environment.	

Evidence	<p><i>During the consenting process (operational reviews and pre-application meetings) WSL undertakes technical reviews to ensure best practical options are provided for new developments. Assets projects follow best management process including safety in design to ensure best practical outcomes.</i></p> <p><i>Establish a close relationship with the LDE team at WDC to ensure best practical options are provided. Increase coverage of reviews for new developments.</i></p>	
Status Reasoning		
Action Required		Full compliance
Schedule A 5)	<p>The consent holder shall be responsible for any scour or erosion control works that become necessary to maintain the physical integrity and stability of land and the beds of receiving water bodies, where such effects are caused by the municipal stormwater diversion and discharge activities authorised by this consent.</p>	
Evidence	<p><i>These conditions are achieved by utilising the consent process to provide technical reviews of consents (LDE and consenting teams at WDC + Operations at WSL)</i></p> <p><i>Provide a more formalised reporting; inspections and mitigation works summary for the 2020/2021 Annual Report.</i></p> <p>WRC has not received any complaints or reports of scour or erosion relating to any stormwater assets in the Pokeno area.</p>	
Status Reasoning		
Action Required		Full compliance
Schedule A 6)	<p>The consent holder shall remedy adverse scour and erosion effects to land and the beds of receiving water bodies, where such effects are caused by the municipal stormwater diversion and discharge activities authorised by this consent.</p>	
Evidence	<p><i>WDC identify adverse scour effects through use of its Customer Request Management System and through observations and inspections during general maintenance activities. No issues were reported for this reporting period.</i></p> <p><i>Provide a more formalised reporting; inspections and mitigation works summary for the 2020/2021 Annual Report.</i></p> <p>WRC has not received any complaints or reports of adverse scour effects relating to any stormwater assets in the Pokeno area during this compliance period.</p>	
Status Reasoning		
Action Required		Full compliance
Schedule A 7)	<p>The consent holder shall ensure that the municipal stormwater system is operated and maintained in such a way as to reasonably minimise the potential for adverse flooding effects to land and property that may otherwise result from municipal stormwater diversion and discharge activities Note: Municipal stormwater diversion and discharge activities in conjunction with urban land-use can adversely affect flood potential by either limiting the rate at which stormwater drains from a catchment, or by increasing the rate and volume of discharge to downstream catchments. Whilst such effects are the subject of this consent, it is also recognised that 'levels of service' for catchment flooding are established by the consent holder through separate statutory procedures and consultation with its community. These 'levels of service' are not the subject of this consent.</p>	
Evidence	<p><i>WDC identify adverse flood effects through use of its Customer Request Management System and through observation and inspection during flood events. No issues were reported for this reporting period. Catchment management plans and flood modelling is also undertaken for active flood management and identifying flood risk areas.</i></p>	

	<p><i>No significant flood events recorded, and all CRM issues have been managed by the operations team. Issuing of updated CMP required.</i></p> <p>WRC has not received any complaints or reports of adverse flooding effects relating to any stormwater assets in the Pokeno area during this compliance period.</p>																												
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Action Required	Full compliance																												
Schedule A 8)	<p>The consent holder shall be responsible for avoiding, remedying and mitigating any adverse flooding, scour, erosion or sedimentation effects on private land and drainage systems where these effects are caused by the municipal stormwater diversion and discharge activities authorised by this consent. To this end the consent holder shall keep a record of complaints associated with municipal stormwater diversion and discharges to private land and drainage systems, and the actions taken by the consent holder in response to these complaints.</p>																												
Evidence	<p><i>WDC identify adverse flood effects through use of its Customer Request Management System and through observation and inspection during flood events.</i></p> <p><i>No CRM items identified adverse effects from private drainage. More formalised reporting required for 2020/2021 annual report.</i></p> <p>WRC has not received any complaints or reports of adverse flooding, scour or erosion effects relating to any private land from WDC stormwater assets in the Pokeno area during this compliance period.</p>																												
Status Reasoning																													
Action Required	Full compliance																												
Schedule A 9)	<p>As far as practicable, the consent holder shall manage the municipal stormwater system such that stormwater diversion and discharge activities do not result in more than minor adverse effects on aquatic ecosystems.</p>																												
Evidence	<p><i>Adverse effects on aquatic ecosystems (receiving environments) are minimised and avoided through the establishment and implementation of appropriate management initiatives as detailed in this report and the SMP. Same condition as 26 (both are scored the out of 10 giving this condition a weighting of 20)</i></p> <p><i>Due to the results of the water sampling, an investigation into the cause of the non-compliances will be undertaken in 2021.</i></p> <p>The specific water quality results for Pokeno are summarised below:</p> <table border="1" data-bbox="379 1384 1332 1809"> <thead> <tr> <th>Test Location</th> <th>Samples taken</th> <th>Number of Parameters tested per sample</th> <th>Total compliant tests</th> <th>Total tests</th> <th>% Compliance</th> <th>Failed water quality parameter(s) for follow up</th> </tr> </thead> <tbody> <tr> <td>Hitchens Road (Culvert)</td> <td>3</td> <td>6</td> <td>16</td> <td>18</td> <td>89%</td> <td>Faecal Coliforms were >100% outside the trigger levels for two samples</td> </tr> <tr> <td>Selby Street</td> <td>3</td> <td>6</td> <td>15</td> <td>18</td> <td>83%</td> <td>Faecal Coliforms were >100% outside the trigger levels for two samples Dissolved Oxygen was 2% below the trigger level (max.) for one sample</td> </tr> <tr> <td>Totals</td> <td></td> <td></td> <td>31</td> <td>36</td> <td>86% Average</td> <td>Coliforms</td> </tr> </tbody> </table>	Test Location	Samples taken	Number of Parameters tested per sample	Total compliant tests	Total tests	% Compliance	Failed water quality parameter(s) for follow up	Hitchens Road (Culvert)	3	6	16	18	89%	Faecal Coliforms were >100% outside the trigger levels for two samples	Selby Street	3	6	15	18	83%	Faecal Coliforms were >100% outside the trigger levels for two samples Dissolved Oxygen was 2% below the trigger level (max.) for one sample	Totals			31	36	86% Average	Coliforms
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Status Reasoning	<p>Due to a lack of adequate sampling and some elevated bacteria results in the few samples that were taken there is an unknown but likely potential adverse effect on the aquatic ecosystem. Further sampling is required to definitively quantify any potential for adverse effects.</p>																												

Action Required	Undertake a review of the sampling protocol for stormwater and undertake further sampling as required to demonstrate compliance with this condition.	Medium priority non-compliance
Schedule A 10)	As far as practicable, and with the exception of ephemeral watercourses, all structures that have been placed in natural and modified watercourses to enable municipal stormwater diversion and discharge activities shall allow for the safe upstream and downstream movement of fish. When acting on this condition, all stormwater system modifications and fish passage devices shall be designed and constructed to the satisfaction of the Waikato Regional Council acting in a technical certification capacity. Note: When acting on this condition the consent holder shall also consult with the Department of Conservation, in accordance with Part VI of the Freshwater Fisheries Regulations 1983.	
Evidence	<p><i>As part of its ongoing asset upgrade and improvement, WDC includes provision of fish passage through culverts where problems are identified, and remediation is practicable. No fish passage issues have been identified to date, however a preliminary inspection and assessment is required.</i></p> <p><i>A preliminary inspection and assessment is planned for the 2020/2021 reporting period. The outcomes will be reported in the next report.</i></p>	
Status Reasoning	Awaiting the results of the assessment of assets planned for this compliance year and due to be reported in the next annual report.	
Action Required	Please submit inspection and assessment report in the annual report in September 2021	Not assessed
Schedule A 11)	All Franklin District Council asset management activities, including those relating to: a) municipal stormwater system activities; b) municipal water and wastewater systems activities; c) municipal roading and footpath activities; d) municipal parks and gardens activities; e) municipal refuse collection activities; and f) municipal building maintenance activities - shall be undertaken and managed to minimise contaminants discharging to/from the municipal stormwater system to the receiving environment.	
Evidence	<p><i>All WDC asset management activities are undertaken in a manner that minimises potential for contaminant discharges to the stormwater system or receiving environments. Wastewater and water supply systems are undertaken by WSL on behalf of WDC and are reported separately. The WDC roading alliance undertakes road maintenance (street sweeping and catchpit clearing).</i></p> <p><i>Additional information on other services to be provided in the 2020/2021 reporting period. Rating given as minor as specific conditions relating to performance of these activities are covered in other conditions.</i></p> <p>WRC has not received any complaints or reports of contaminants discharging to the municipal stormwater system from WDC assets or operations in the Pokeno area during this compliance period.</p>	
Status Reasoning		
Action Required		Full compliance
Schedule A 12)	The consent holder shall carry out regular street and catchpit cleaning operations to minimise the volume of stormwater contaminants entering the municipal stormwater system and discharging to the receiving environment. When determining appropriate street sweeping frequencies, the consent holder shall take account of the land use characteristics within respective stormwater sub-catchments, the intensity of the various land use activities taking place, and any means other than street sweeping operations that are currently being used to control and/or treat contaminated stormwater.	
Evidence	<p><i>Street sweeping and catchpit cleaning undertaken by the WDC Roading Alliance at 6 monthly intervals.</i></p> <p><i>Review of maintenance frequency and device performance required (more detailed reporting required).</i></p> <p>WRC has not received any complaints or reports of adverse flooding, relating to any WDC catchpit assets in the Pokeno area during this compliance period.</p>	
Status Reasoning		

Action Required	Investigate and assess the provision, standard and quantity of catchpits to ensure they are fit for purpose and numerous enough in size and number to adequately cope with the expanding stormwater network and development around the Pokeno area.	Full compliance
Schedule A 13)	All stormwater catchpit devices that are associated with the municipal stormwater system shall be capable of capturing and retaining the majority of gross pollutants. New and/or replacement stormwater catchpits shall be further capable of capturing the majority of floatable contaminants, such as oil and grease, when constructed. Note: For catchpits that are not capable of capturing and retaining the majority of gross pollutants, the consent holder shall investigate and employ other means to minimise the discharge of gross pollutants from the municipal stormwater system.	
Evidence	<i>New catchpits are designed to the RITS standards. Existing catchpits retain sediment and limit floatables entering the stormwater network. Inspection of catch pits required.</i>	
Status Reasoning	Insufficient details regarding the design of stormwater catchpits is know at this time. Therefore unable to adequately assess compliance.	
Action Required	Please provide details of the catchpits design and number in use for the Pokeno catchment area. Confirm whether the RITS Stormwater Catchpit Construction checklist is used for any new catchpits	Minor technical non-compliance
Schedule A 14)	All stormwater quality treatment devices that form part of the municipal stormwater system shall be operated and maintained to provide best practicable stormwater contaminant removal efficiency at all times.	
Evidence	<i>WDC undertakes regular maintenance of stormwater treatment devices to ensure effective operation. Treatment device locations and their specific maintenance frequencies are detailed in the SMP.</i> <i>Watercare will maintain its stormwater treatment systems and associated landscaping. "The extent and frequency of maintenance work however will vary depending on each structure. Watercare has a register of all stormwater management devices within the District which includes maintenance requirements. The register is presented in Appendix U."</i> <i>Regular maintenance is currently being reviewed and will be revised if needed to ensure effective operation.</i>	
Status Reasoning	In the SMP it states that that the stormwater management devices are maintained and a list is included in appendix U. I checked appendix U and found no details of any assets in Pokeno	
Action Required	Please provide details of the stormwater assets for the Pokeno catchment in the next annual report	Low priority non-compliance
Schedule A 15)	The consent holder shall undertake monitoring and remediation programmes that identify and discontinue informal wastewater system connections to the municipal stormwater system.	
Evidence	<i>No wastewater connections were identified or reported as part of the monitoring undertaken at Pokeno. Refer to section 12.5 for the wastewater CRM summary. Additional SW quality monitoring may assist to identify informal connections and effects.</i>	
Status Reasoning		
Action Required		Full compliance
Schedule A 16)	Where formal wastewater system connections to the municipal stormwater system make up part of the municipal wastewater system design and operation, the consent holder shall undertake to minimise as far as practicable, the discharge of wastewater system contaminants to the municipal stormwater system.	
Evidence	<i>Formal wastewater connections are tracked through the consenting process and reported on in the annual wastewater report.</i> <i>No formal wastewater connections where approved or installed during the reporting period.</i>	

Status Reasoning		
Action Required		Not assessed
Schedule A 17)	Events resulting in significant discharges of wastewater to the municipal stormwater system shall be reported to the Waikato Regional Council as soon as practicable after the consent holder becomes aware of such a discharge.	
Evidence	<p><i>Refer to table 12.5.3 for the wastewater discharge summary which outlines any discharges to waterways. No outstanding incidents. Reported spills were controlled and closed out.</i></p> <p>WDC reports any significant spills to WRC</p>	
Status Reasoning		
Action Required		Full compliance
Schedule A 18)	The consent holder shall undertake investigations to identify and address routine contaminant discharges to the municipal stormwater system from known contaminated land, and commercial and industrial sites. In circumstances where site owners/operators are routinely discharging contaminants to the municipal stormwater system, or contaminants to land that could routinely discharge to the municipal stormwater system during rain events, the consent holder shall liaise with site owners/operators to determine appropriate stormwater management measures that will be implemented to avoid, or if avoidance is impractical, to remedy or mitigate these contaminant discharges.	
Evidence	<p><i>Investigation and mitigate known routine contaminant discharges to the stormwater system. Current consenting and trade waste permit process in place controls the potential routine contamination discharges. There are no known trade waste connections to the stormwater system in this area.</i></p> <p><i>No routine contaminant discharges to the stormwater system were reported during this reporting period from contaminated land, industrial or commercial properties.</i></p>	
Status Reasoning		
Action Required		Full compliance
Schedule A 19)	On becoming aware of a non-routine contaminant discharge to/from the municipal stormwater system, the consent holder shall make all reasonable attempts to stop the discharge and prevent further contaminant discharges from occurring. The consent holder shall seek to identify the source of the discharge and inform the Waikato Regional Council of the discharge incident as soon as practicable. At the written request of the Waikato Regional Council, the consent holder shall provide the Waikato Regional Council with information that it holds on its response to the discharge incident, and any other relevant information that may support subsequent enforcement action taken by the Waikato Regional Council against the discharger. For the purposes of this consent, a non-routine contaminant discharge to the municipal stormwater system is considered to be either an accidental spillage or a deliberate contaminant discharge, of which the consent holder has limited ability to control. Note: Requirements of the Fire Service Act and other legislative requirements may override the requirements of this condition.	
Evidence	<i>No non-routine contaminant discharges to the stormwater system were reported during this reporting period</i>	
Status Reasoning		
Action Required		Not assessed
Schedule A 20)	In circumstances where non-routine contaminants are discharged from the municipal stormwater system and result in actual adverse effects on the receiving environment, the consent holder shall provide practical assistance to the Waikato Regional Council, and any other emergency response agency that becomes involved, to remedy or mitigate against further actual or potential adverse effects on the receiving environment.	

Evidence	<i>No non-routine contamination discharges were reported from the stormwater system for the reporting period.</i>	
	<i>Results of the water quality sampling requires follow up.</i>	
Status Reasoning		
Action Required		Full compliance
Schedule A 21)	When permitting new or replacement connections to the municipal stormwater system the consent holder shall ensure that all such connections incorporate appropriate stormwater quality treatment devices that are capable of: a) minimising all contaminants such that the conditions of this consent are complied with; and b) preventing accidental releases of hazardous substances to the stormwater system; or c) reducing all such hazardous substances prior to discharge to receiving waters to concentrations that will not result in contamination of either water or sediments to such a degree that is likely to result in adverse effects on aquatic life, or on the suitability of water for human consumption after treatment.	
Evidence	<i>The Regional Infrastructure Technical Specification (RITS) sets out the assessment processes, design guidelines and technical specifications for the design and construction of new stormwater infrastructure within Waikato District. This includes stormwater attenuation and treatment. Although assets have been added to the database in 2019, an asset survey is still required to update the database.</i>	
	<i>Asset survey and database update scheduled for 2023.</i>	
Status Reasoning	Assumed full compliance based on statements in the annual report and liaising with WRC staff on new subdivision developments.	
Action Required	Undertake an asset survey and database update and provide details to WRC in next annual report	Full compliance
Schedule A 22)	As far as practicable, the consent holder shall manage the municipal stormwater system to minimise the discharge of any substance that is likely to cause the production of conspicuous oil, or grease films, scums or foams, or floatable suspended materials in receiving waters after reasonable mixing.	
Evidence	<i>Discharges of floatable contaminants to receiving environments will be minimised and avoided through the establishment and implementation of appropriate management initiatives as detailed in the SMP.</i>	
	<i>The catchpit grates limit floatable contamination reaching the stormwater outlets. Performance assessment required.</i>	
	WRC has not received any complaints or reports of the discharge of any substance that is likely to cause the production of conspicuous oil, or grease films, scums or foams, or floatable suspended materials in receiving waters after reasonable mixing, related to any WDC catchpit assets in the Pokeno area during this compliance period.	
Status Reasoning		
Action Required		Full compliance
Schedule A 23)	As far as practicable, the consent holder shall manage the municipal stormwater system to minimise the discharge of suspended solids and any other substances that are likely to cause the following effects in receiving waters after reasonable mixing: a) conspicuous changes in colour or visual clarity; b) increases in suspended solids concentrations by more than 10 percent; c) 100 grams per cubic metre suspended solids concentrations or greater.	
Evidence	<i>Manage municipal SW system to minimise discharge of suspended solids. Suspended solids discharge is managed through the consenting process for new development and assessed by visual inspections, CRM reports and sampling.</i>	

	<p>No CRM reports of turbidity, erosion or sedimentation issues. No Turbidity readings outside of trigger/compliance levels. Additional inspections recommended to confirm compliance due to previous reports of bank degradation.</p> <p>WRC has not received any complaints or reports of any discharge of suspended solids or any other substances that are likely to cause the following effects in receiving waters after reasonable mixing:</p> <p>a) conspicuous changes in colour or visual clarity;</p> <p>b) increases in suspended solids concentrations by more than 10 percent;</p> <p>c) 100 grams per cubic metre suspended solids concentrations or greater.</p>
Status Reasoning	
Action Required	Full compliance
Schedule A 24)	As far as practicable, the consent holder shall manage the municipal stormwater system to minimise the discharge of concentrations of hazardous substances that are likely to adversely affect aquatic life, or the suitability of water for human consumption after treatment. Where a question arises as to whether the concentration of any particular hazardous substance is causing these effects, it shall be determined through the application of the Australian and New Zealand Guidelines for Fresh and Marine Water Quality (ANZECC, 2000), or any other technical publication approved in advance by the Waikato Regional Council acting in a technical certification capacity. Note: When applying the Australian and New Zealand Guidelines for Fresh and Marine Water Quality, the 'trigger values' within the 95% level of protection range of these guidelines shall apply.
Evidence	<p>Discharges of hazardous substances to receiving environments are minimised and avoided through the establishment and implementation of appropriate management initiatives as detailed in this report and the SMP.</p> <p>No known discharges of hazardous substances occurred during the 2019/2020 reporting period.</p> <p>WRC has not received any complaints or reports of any discharge of concentrations of hazardous substances that are likely to adversely affect aquatic life, or the suitability of water for human consumption after treatment.</p>
Status Reasoning	
Action Required	Full compliance
Schedule A 25)	As far as practicable, the consent holder shall manage the municipal stormwater system to minimise the discharge of concentrations of micro-organisms to receiving waters that are likely to adversely affect human health. Where a question arises as to whether the concentration of micro-organisms is adversely affecting human health, it shall be determined through the application of the Microbiological Water Quality Guidelines for Marine and Freshwater Recreational Areas (MfE, 2003), or any other technical publication approved in advance by the Waikato Regional Council acting in a technical certification capacity.
Evidence	<p>Discharges of microorganism contaminants to receiving environments are minimised and avoided through the establishment and implementation of appropriate management initiatives as detailed in this report and the SMP.</p> <p>Review of Monitoring programme required along with a water quality investigation due to the faecal coliform results for Pokeno.</p>
Status Reasoning	There are significant faecal coliform readings for the first two samples for both stream sample locations. The latest results are significantly lower with only one outside the trigger values, however the previous results show that practically all faecal coliforms results have historically been outside the trigger levels (2017/2020). An investigation is required to assess the cause and proposed mitigation. This is planned for the 2020/2021 reporting period. The cause of the faecal coliforms could be wastewater leaks/spills, trade waste and/or illegal

	<p>wastewater connections, farm runoff, wildlife (birds), etc... A water quality investigation in these locations are required. Once this is completed, we will provide details to WRC for further discussion.</p> <p>The process is likely to include:</p> <ul style="list-style-type: none"> • Site visit and inspection of upstream catchments • Additional sampling and testing locations added to the sampling program • Increasing sampling frequencies including geonym sequencing to establish source of contamination • Consideration of mitigation options • Additional reporting to WRC <p>Minimal samples with 2 from 18 showing significantly elevated faecal coliforms.</p>	
Action Required	Investigate and improve the sampling regime to demonstrate compliance or if non-compliant then recommend improvements to the system to lowered faecal coliform counts.	Low priority non-compliance
Schedule A 26)	As far as practicable, the consent holder shall manage the municipal stormwater system to minimise discharges that are likely to adversely affect aquatic ecosystems and cause the following effects in receiving waters after reasonable mixing: Note: Conditions 22 - 26 describe receiving water effects that this consent is attempting to avoid, remedy or mitigate through improvements in the management and operation of municipal stormwater systems. Compliance with these conditions will therefore be determined through the establishment and implementation of appropriate stormwater management initiatives. These initiatives will aim to minimise (as far as practicable) municipal stormwater diversion and discharge activities that would otherwise cause these effects in receiving waters.	
Evidence	<p><i>Adverse effects on aquatic ecosystems (receiving environments) are minimised and avoided through the establishment and implementation of appropriate management initiatives as detailed in this report and the SMP. Same condition as 9 (both are scored the out of 10 giving this condition a weighting of 20)</i></p> <p><i>Water quality effects investigation and additional sampling required to quantify effects on the aquatic system.</i></p> <p>Details of management initiatives are given in the SMP between pages 35-43</p>	
Status Reasoning		
Action Required		Full compliance
Schedule A 27)	The consent holder shall prepare and implement a Stormwater Quality Improvement Programme, designed to improve the quality of municipal stormwater discharges and to generally assist the consent holder in meeting the requirements of the stormwater quality conditions of this consent. The Stormwater Quality Improvement Programme shall form part of the Stormwater Management Plan required by Condition 34 of this consent and shall be implemented through this plan.	
Evidence	<p><i>Stormwater quality improvement are achieved through the implementation of appropriate management initiatives as detailed in section 22.'</i></p> <p><i>No new stormwater quality initiatives commenced during in the 2019/2020 reporting period. The catchpit labelling initiatives are currently active.</i></p>	
Status Reasoning	NO stormwater Quality Improvement Programme has been included in the SMP at this time.	

Action Required	The consent holder shall prepare and implement a Stormwater Quality Improvement Programme, designed to improve the quality of municipal stormwater discharges and to generally assist the consent holder in meeting the requirements of the stormwater quality conditions of this consent. The Stormwater Quality Improvement Programme shall form part of the Stormwater Management Plan required by Condition 34 of this consent, and shall be implemented through this plan.	Minor technical non-compliance
Schedule A 28)	The consent holder shall prepare and implement a Stormwater Information Programme, designed to increase the general public's understanding of stormwater management and the ways in which the public can minimise the contamination of stormwater and the impedance of stormwater flows. The Stormwater Information Programme shall form part of the Stormwater Management Plan required by Condition 34 of this consent, and shall be implemented as part of this plan.	
Evidence	<p><i>WDC's stormwater education programme is described in the SWP and the stormwater initiatives section 22.</i></p> <p><i>No new education program initiatives were undertaken in the 2019/2020 reporting period other than the catchpit labelling.</i></p> <p>Unable to find any evidence of a Stormwater Information Programme in the SMP and annual report</p>	
Status Reasoning		
Action Required	Please provide details of the Stormwater Information Programme in the next annual report	Minor technical non-compliance
Schedule A 29)	In accordance with Condition 4(c) of this consent, Catchment Management Plans that are prepared to enable new municipal stormwater diversion and discharge activities in undeveloped catchments shall be approved by the Waikato Regional Council prior to the undertaking of these activities. To this end, Catchment Management Plans shall be prepared in consultation with the Waikato Regional Council and other key stakeholders and, as a minimum, Catchment Management Plans shall detail the following information: a) Catchment maps / drawings of the catchment, delineating the catchment boundary, catchment topography, receiving environment and existing land uses within the catchment; b) Social, economic, ecological, amenity and cultural objectives being sought for the catchment; c) Identification of the key stakeholders within the catchment, and details of the consultation initiatives undertaken with key stakeholders; d) Classification of the receiving waters within the catchment in accordance with the Waikato Regional Plan; e) An assessment of the current status of the catchment and receiving environment, and the provision of detailed baseline information of the geological, hydrological, ecological and existing infrastructural characteristics of the catchment, including any existing resource use authorisations within the catchment; f) Identification of potential urban growth, development and land use intensification within the catchment; g) An assessment of the potential effects of stormwater diversion and discharge activities on the catchment and receiving environment, including but not limited to effects on: i) Sites of cultural and/or historical significance; ii) Public health, iii) Flooding hazards, iv) Receiving water hydrology, including base flows in rivers and streams and long-term aquifer levels, v) Receiving water sediment and water quality, vi) Receiving water habitat, ecology and ecosystem health, vii) The natural and amenity values of receiving waters, viii) Receiving water riparian vegetation, ix) The extent and quality of open stream channels, x) Fish passage for indigenous and trout fisheries, xi) Erosion and sedimentation of receiving waters, xii) The discharge and accumulation of litter; xiii) Existing infrastructure, xiv) Existing authorised resource use activities; h) The cumulative effects of stormwater diversion and discharge activities within the catchment, the range of general management options available and the Best Practicable Option to prevent and minimise the adverse effects of stormwater diversion and discharge activities, and to mitigate or offset any significant unavoidable adverse effects; i) The effectiveness of District Plan provisions to implement the management approach adopted by the CMP and, where necessary, the changes or variations to relevant District Plan provisions likely to assist in achieving the objectives of the CMP; j) Education initiatives to support the catchment management objectives; k) The methods by which all stormwater diversion and discharge activities will be managed; l) A description of all infrastructure works scheduled by Franklin District Council which may significantly affect stormwater management within the catchment. Note: It is recognised that Catchment Management Plans may also include information that provide for the integration of other municipal water services (water and wastewater services). Such information and the integration of these services is generally encouraged, particularly where it results in environmentally sustainable catchment management.	
Evidence	<p><i>A CMP has been developed in consultation with stakeholders and has been approved by Waikato Regional Council.</i></p> <p><i>a) Catchment maps / drawings of the catchment, delineating the catchment boundary, catchment topography, receiving environment and existing land uses within the catchment;</i></p>	

- b) *Social, economic, ecological, amenity and cultural objectives being sought for the catchment;*
- c) *Identification of the key stakeholders within the catchment, and details of the consultation initiatives undertaken with key stakeholders;*
- d) *Classification of the receiving waters within the catchment in accordance with the Waikato Regional Plan;*
- e) *An assessment of the current status of the catchment and receiving environment, and the provision of detailed baseline information of the geological, hydrological, ecological and existing infrastructural characteristics of the catchment, including any existing resource use authorisations within the catchment;*
- f) *Identification of potential urban growth, development and land use intensification within the catchment;*
- g) *An assessment of the potential effects of stormwater diversion and discharge activities on the catchment and receiving environment, including but not limited to effects on:*
 - i) *Sites of cultural and/or historical significance;*
 - ii) *Public health,*
 - iii) *Flooding hazards,*
 - iv) *Receiving water hydrology, including base flows in rivers and streams and long-term aquifer levels,*
 - v) *Receiving water sediment and water quality,*
 - vi) *Receiving water habitat, ecology and ecosystem health,*
 - vii) *The natural and amenity values of receiving waters,*
 - viii) *Receiving water riparian vegetation,*
 - ix) *The extent and quality of open stream channels,*
 - x) *Fish passage for indigenous and trout fisheries,*
 - xi) *Erosion and sedimentation of receiving waters,*
 - xii) *The discharge and accumulation of litter;*
 - xiii) *Existing infrastructure,*
 - xiv) *Existing authorised resource use activities;*
- h) *The cumulative effects of stormwater diversion and discharge activities within the catchment, the range of general management options available and the Best Practicable Option to prevent and minimise the adverse effects of stormwater diversion and discharge activities, and to mitigate or offset any significant unavoidable adverse effects;*
- i) *The effectiveness of District Plan provisions to implement the management approach adopted by the CMP and, where necessary, the changes or variations to relevant District Plan provisions likely to assist in achieving the objectives of the CMP; j) Education initiatives to support the catchment management objectives;*
- k) *The methods by which all stormwater diversion and discharge activities will be managed;*
- l) *A description of all infrastructure works scheduled by Franklin District Council which may significantly affect stormwater management within the catchment. Note: It is recognised that Catchment Management Plans may also include information that provide for the integration of other municipal water services (water and wastewater services). Such information and the integration of these services, is generally encouraged, particularly where it results in environmentally sustainable catchment management.*

Status Reasoning

Action Required

Full compliance

Schedule A 30)	For all new stormwater diversion and discharge activities in urban development areas, the consent holder shall proactively encourage consideration of the Waikato Regional Council publication 'Sustainable Subdivision Development – An Environment Waikato Perspective' (WRC, 2006), or any other technical publication approved in advance by the Waikato Regional Council acting in a technical certification capacity.
Evidence	<p><i>Waikato Regional Council's publication of Waikato Stormwater Management Guidelines is being promoted for all new stormwater diversion and discharge activities in urban development areas.</i></p> <p><i>Reviews and involvement during the consent application and submission level is currently being undertaken when requested, however this was limited during the reporting period.</i></p> <p>WDC should now be utilizing the WRC Stormwater Guidelines 2018</p>
Status Reasoning	
Action Required	Full compliance
Schedule A 31)	In addition to the requirements of Conditions 29 and 30 of this consent, the consent holder shall proactively encourage the implementation of Low Impact Urban Design principles and/or construction of stormwater management devices in urban development areas, to avoid and/or mitigate any potential adverse effects of new stormwater diversion and discharge activities, and to ensure that the condition requirements of this consent are met.
Evidence	<p><i>WDC's approach to stormwater management includes the promotion of low impact design principles. WDCs and WRCs involvement in the consenting process ensures water sensitive developments are being approved and constructed. WSL, on behalf of WDC will continue to attend pre-consent application meetings and engineering design meetings. The Safety in Design requirements also facilitates WDC involvement.</i></p> <p><i>Reviews and involvement during the consent application and submission level is currently being undertaken when requested, however this was limited during the reporting period.</i></p>
Status Reasoning	
Action Required	Full compliance
Schedule A 32)	As private developers progressively construct stormwater management devices that become part of the municipal stormwater system, the consent holder shall maintain a register of the stormwater management devices constructed, including their location, catchment area, operational procedures and maintenance requirements.
Evidence	<p><i>Stormwater management device register is maintained within the WDC GIS and asset management system. Roading assets are in the Roading Alliance database and transferred periodically to the WDC GIS system.</i></p> <p><i>Updating the asset database is required.</i></p>
Status Reasoning	No details of assets has been made available to WRC and therefore WRC is unable to assess compliance
Action Required	Please update the asset database and provide a copy to the WRC with the next annual report Minor technical non-compliance
Schedule A 33)	All stormwater management devices associated with the municipal stormwater system shall be maintained in good working order. The consent holder shall carry out all stormwater management device maintenance as necessary and, where practicable, within one week of receipt of notice in writing from the Waikato Regional Council to do so.
Evidence	<p><i>Catchpits are maintained by the roading alliance. A review of the maintenance program for stormwater management devices is required to confirm compliance.</i></p> <p>It is assumed that the consent holder undertakes stormwater asset maintenance as required.</p>

Status Reasoning	
Action Required	Full compliance
Schedule A 34)	<p>The consent holder shall prepare a Stormwater Management Plan for the municipal stormwater system, and the stormwater diversion and discharge activities that are authorised by this consent. The Stormwater Management Plan shall be prepared in consultation with the Waikato Regional Council and other key stakeholders. The operational procedures and management initiatives that are detailed and implemented through the plan will largely assist the consent holder to achieve the condition requirements of this consent. The Stormwater Management Plan shall be submitted to the Waikato Regional Council for approval by 31 October 2009. The Stormwater Management Plan shall record the way in which the municipal stormwater system is operated, and shall include methods to avoid, remedy and mitigate the adverse effects of stormwater diversion and discharge activities on the environment. The Stormwater Management Plan shall be reviewable on a triennial basis and, as a minimum, shall detail the following information: a) The relationship and integration of the Stormwater Management Plan with other consent holder planning instruments and regulatory systems, including those that are utilised to assist the management of the municipal stormwater system; b) A plan or drawing of the municipal stormwater system showing all key features, including administrative area, hydrological catchments, physical reticulation system, stormwater management devices and receiving waters; c) A description of the municipal stormwater system, including infrastructure details, contributing catchments, existing land uses and receiving water descriptions (including locations, water quality, ecological and hydrological characteristics, and the existing uses and values of receiving waters); d) A description of municipal stormwater system operation and maintenance procedures, including operation and maintenance procedures associated with all stormwater treatment devices; e) Identification of High Risk Facility Sites and other potential sources of stormwater contaminants within reticulated catchments (including all potential sources of 'routine' and 'non-routine' contaminant discharges to the stormwater system); f) Management initiatives and implementation methods to avoid, remedy or mitigate 'routine contaminant' discharges to the municipal stormwater system. This should include the preparation and implementation of a Stormwater Quality Improvement Programme as required by Condition 27 of this consent; g) A Spill Response Plan, including detailed Standard Operating Procedures, for 'non-routine contaminant' spill incidents within reticulated catchments. The Spill Response Plan should also detail communication linkages with other key stakeholders and emergency response agencies who have administrative responsibilities associated with these types of incidents; h) Management initiatives and implementation methods to minimise 'formal' discharges from the municipal wastewater system to the municipal stormwater system; i) Management initiatives and implementation methods to identify and discontinue 'informal' wastewater system discharges to the municipal stormwater system; j) Management initiatives and implementation methods to identify and remedy adverse scour and erosion effects to land and the beds of receiving water bodies; k) Management initiatives and implementation methods to minimise adverse flooding effects to land and property; l) Management initiatives and implementation methods to avoid, remedy or mitigate adverse effects on aquatic ecosystems; m) Management initiatives and implementation methods to identify and remedy structures and stormwater management devices that are impeding the upstream and downstream movement of fish; n) Management initiatives and implementation methods to encourage the implementation of Low Impact Urban Design principals and/or construction of stormwater management devices in urban development areas; o) A register of all stormwater management devices associated with the municipal stormwater system, including their location, contributing catchment area, operational procedures and maintenance requirements; p) Management initiatives and implementation methods to undertake community and stakeholder information programmes. This should include the preparation and implementation of a Stormwater Information Programme as required by Condition 28 of this consent; q) Management initiatives and implementation methods to review, identify and implement Best Practicable Options; r) A prioritised schedule for implementing the procedures, management initiatives, implementation methods and other requirements identified in consent conditions and the Stormwater Management Plan.</p>
Evidence	<p><i>The proposed SMP has been developed in consultation with stakeholders and has been approved by Waikato Regional Council. An updated SMP has been completed and is awaiting final sign off prior to being issued.</i></p> <p>A revised SMP has been submitted to WRC</p>
Status Reasoning	
Action Required	Full compliance
Schedule A 35)	<p>The consent holder shall appoint a representative who shall be the Waikato Regional Council's principal contact person in regard to matters relating to this consent. The consent holder shall forward contact details of its</p>

	representative to the Waikato Regional Council. The consent holder shall inform the Waikato Regional Council in writing of any change in its representative as soon as practicable.	
Evidence	<i>WDC contacts with WRC have been established being Andrew Boldero (WSL) and Ian Cathcart (WDC)</i>	
Status Reasoning		
Action Required		Full compliance
Schedule A 36)	The Waikato Regional Council may within three months of the 3rd, 6th, 10th and 15th anniversaries of the commencement of this consent, serve notice on the consent holder under section 128(1) of the Resource Management Act 1991, and commence a review of the conditions of this consent for any of the following purposes: a) To review the effectiveness of the conditions of this consent in avoiding, remedying or mitigating any adverse effects on the environment from the exercise of this consent, and if necessary to remedy or mitigate such effects by way of further or amended conditions; b) To require the consent holder to adopt the Best Practicable Option to prevent or minimise any adverse effects on the environment that result from the exercise of this consent; c) To review the monitoring undertaken by the consent holder, and if necessary to amend and/or introduce new conditions to monitor any actual and potential effects on the environment that result from the exercise of this consent; d) To take account of any changes to the Waikato Regional Council's Regional plans or policies. Costs associated with any review of the conditions of this consent will be recovered from the consent holder in accordance with the provisions of section 36 of the Resource Management Act 1991.	
Evidence	<i>Applicable from 2011. No review undertaken in the 2019/2020 reporting period.</i> Consent was granted in November 2008, therefore, the next review period is due in 2023	
Status Reasoning		
Action Required		Not assessed
		Significant non-compliance
	Authorisation Compliance:	

4 SUMMARY OF COMPLIANCE

Based on the conditions selected for monitoring, compliance has been assessed as:

Authorisation	Authorisation Description	Compliance Status
AUTH108591.01.01	Replace an existing 500mm culvert with an 1800mm culvert in the bed of an unnamed tributary of the Tanitewhiora Stream & temporarily dam & divert the unnamed tributary during the associated works	Not assessed
AUTH108592.01.01	Divert and discharge urban stormwater runoff and associated contaminants at multiple locations to land, the Tanitewhiora Stream, Helenslee Stream, and use discharge structures in the general vicinity of Pokeno Urban Area	Significant non-compliance

Overall Site Compliance:

Significant non-compliance

5 DISCUSSION AND CONCLUSIONS

There has been a decline in the amount of information that has been provided in annual reports up until this current compliance period. The current annual report has been reformatted and is a much more comprehensive report which has highlighted how much information had been missed out in previous annual reports.

The main cause for concern is the lack of adequate sampling of stormwater which has been limited and therefore unlikely to show any useful evidence of what is occurring in Pokeno and its effect on the receiving waters.

There is also a lack of up-to-date information on the number and quantity of the stormwater assets within the Pokeno area which makes a compliance assessment difficult to undertake. This missing information has been requested to be included in the next annual report.

The lack of provision of monitoring data and information has meant that an assessment of the operation and any likely adverse effects on the receiving environment is difficult to achieve and because of this unknown aspect I have had to err on the side of caution and award a significant non-compliance status for this audit. The missing data and information have been recognised by WSL and it is expected that the next annual report due in September 2021 will contain the full set of information required, and therefore a more comprehensive assessment of the effects consented can be undertaken at that time.

I have therefore recommended a “**formal warning**” be given for this period of non-compliance and the lack of submitted information. I also recommend a “**letter of direction**” is issued stating what information is required to be submitted along with the timeframe for when this should be expected. I am confident that when the next annual report is submitted the shortcomings of previous reports will be rectified and a full set of compliance data will be forthcoming.

6 SUMMARY OF ACTIONS REQUIRED

The following actions are required to be undertaken:

Resource consent	Condition	Action Required
AUTH108592.01.01	Schedule A 9	Undertake a review of the sampling protocol for stormwater and undertake further sampling as required to demonstrate compliance with this condition.
AUTH108592.01.01	Schedule A 10	Please submit inspection and assessment report in the annual report in September 2021
AUTH108592.01.01	Schedule A 12	Investigate and assess the provision, standard and quantity of catchpits to ensure they are fit for purpose and numerous enough in size and number to adequately cope with the expanding stormwater network and development around the Pokeno area.
AUTH108592.01.01	Schedule A 13	Please provide details of the catchpits design and number in use for the Pokeno catchment area. Confirm whether the RITS Stormwater Catchpit Construction checklist is used for any new catchpits
AUTH108592.01.01	Schedule A 14	Please provide details of the stormwater assets for the Pokeno catchment in the next annual report
AUTH108592.01.01	Schedule A 21	Undertake an asset survey and database update and provide details to WRC in next annual report
AUTH108592.01.01	Schedule A 25	Investigate and improve the sampling regime to demonstrate compliance or if non-compliant then recommend improvements to the system to lowered faecal coliform counts.
AUTH108592.01.01	Schedule A 27	The consent holder shall prepare and implement a Stormwater Quality Improvement Programme, designed to improve the quality of municipal stormwater discharges and to generally assist the consent holder in

		meeting the requirements of the stormwater quality conditions of this consent. The Stormwater Quality Improvement Programme shall form part of the Stormwater Management Plan required by Condition 34 of this consent and shall be implemented through this plan.
AUTH108592.01.01	Schedule A 28	Please provide details of the Stormwater Information Programme in the next annual report.
AUTH108592.01.01	Schedule A 32	Please update the asset database and provide a copy to the WRC with the next annual report
AUTH108592.01.01	4	Please compile and submit a new (reviewed) monitoring plan that meets the criteria set out in the condition before the start of the next compliance periods monitoring season.
AUTH108592.01.01	5	Please ensure the annual report contains adequate responses and information in order that a complete compliance assessment can be made.

7 RECOMMENDATIONS FOR WAIKATO REGIONAL COUNCIL

I recommend that as a result of the lack of adequate monitoring data has left it difficult to assess compliance fully, that there could potentially be some significant adverse effects arising from the growth and expansion of the Pokeno area on the stormwater infrastructure and receiving environment.

I therefore recommend the following be issued:

- Formal Warning (Punitive/Consent) – for non-compliances to date
- Letter of Direction (Directive/Consent) – requiring details of what actions and timeframes the consent holder intends to take to improve compliance and reporting on stormwater for the Pokeno catchment.



Edward Prince
Senior Resource Officer - Infrastructure
Resource Use

Date: 28 June 2021

7.1 Decision

I have reviewed this audit report and agree with the recommendations.



Hugh Keane

Date:

**Team Leader - Infrastructure
Resource Use**

APPENDIX 1

Compliance Status for Individual Conditions

Compliance Status	Description
Not assessed	Monitoring of this condition was not undertaken during this monitoring event
High priority non-compliance	The non-compliance has the potential for, or has resulted in, significant adverse effects on the environment.
Medium priority non-compliance	There is non-compliance with limits or other direct controls on adverse effects; and The non-compliance has the potential for, or has resulted in, a greater than minor increase in the level of effects authorised.
Low priority non-compliance	There is non-compliance with limits or other direct controls on adverse effects; and The non-compliance has the potential for, or has resulted in, a less than minor increase in the level of effects authorised; and/or There has been a significant technical non-compliance such as a failure to collect or supply self-monitoring data.
Minor technical non-compliance	There is non-compliance with a condition, or part of a condition, that does not directly control adverse effects; and The non-compliance was not significant in the management of effects. For example a short delay in supplying data or meeting a deadline for a report
Full Compliance	The condition has been complied with

Compliance status for individual consents and the entire site

Compliance Status	Description
Not assessed	Monitoring has not been undertaken at this site during the current financial year
Significant non-compliance	There has been a high priority non-compliance; and/or There have been several medium priority non-compliances.
Partial compliance	There has been a medium priority non-compliance; and/or There have been several low priority non-compliances.
High level of compliance	There has been a low priority non-compliance; and/or There have been several minor technical non-compliances.
Full compliance	All conditions that include limits or other direct controls on adverse effects have been complied with. A small number of minor technical non-compliances may have occurred.