

MEMO

To: Sarah Ho, Principal Planner, NZTA
From: Michaela Williams, Environment and Sustainability Manager, ASM
Date: 8/12/2025

Subject: Auckland System Management Compliance

This memorandum presents a summary of Auckland System Management's (ASM) compliance with its designations and resource consents from 2019 when the Alliance was established. The information in this memo is intended to provide context of how a maintenance contract demonstrates compliance with its resource consent and designation obligations.

1.0 Background

ASM is the Alliance tasked with the maintenance and operation of the State Highway network in the Auckland and North Waikato regions, including the administration of, and compliance with New Zealand Transport Agency Waka Kotahi (NZTA) resource consent and designation conditions.

The physical extent of ASMs network is located within the boundaries of the:

- Auckland Unitary Council
- Waikato Regional Council
- Waikato District Council
- Hauraki District Council

The physical extents include:

- SH1 from Billing Road to the south side of the Te Kauwhata interchange (including Auckland Harbour Bridge, Victoria Park Tunnel and Johnstones Hill tunnels)
- SH16 from Tamaki Drive to Restall Road
- SH18 from SH1 / Constellation Drive to SH16 / Hobsonville Road (including the maintenance yard at Trig Road)
- SH20 from SH1/SH20 interchange
- SH20A from SH20/20A interchange up to and including Landing Road interchange
- SH20B from SH20/Puhinui Road to 20B Orrs Road
- SH22 from SH1 / Great South Road to Adams Drive, Pukekohe
- SH2 from SH1/SH2 Interchange to the SH2 and SH25 roundabout

2.0 ASM Designations and Resource Consents

ASM manages its compliance through CSVue, a compliance management tool used across all NZTA projects. Within CSVue ASM is responsible for four collections which include designations and resource consents located across different geographical locations:

Table 1: Designation and Resource Consent Collections in CSVue which ASM is responsible for

CSVue Collection	Context	Detail
(NZTA) NOC – Auckland System Management (ASM) – Waikato Consents	Designations and resource consents relevant to sections from the Auckland/Waikato boundary to the Te Kauwhata interchange, and SH2 to the intersection with SH25 (Waikato Regional Council, Waikato District Council and Hauraki District Council)	Resource Consents: 30 Conditions: 600 Designations Documents: 2 Designation Conditions: 60
(NZTA) B&S – Auckland Harbour Bridge Contract	Designations and resource consents relevant to the Auckland Harbour Bridge, including the anchorage points (Auckland Unitary Council)	Resource Consents: 10 Conditions: 137 Designation Documents: 2 Designation Conditions: 0
(NZTA) SH16 – ASM – Auckland Boundary to Restall Road	Resource consents relevant to the section of SH16 from Brigham Creek roundabout to Restall Road taken over by ASM in 2023 (Auckland Unitary Council)	Resource Consents: 4 Conditions: 87 Designation Documents: 0 Designation Conditions: 0
(NZTA) NOC – Auckland System Management (ASM)	Designations and resource consents relevant to the remaining sections of the ASM network within the Auckland boundary (Auckland Unitary Council)	Resource Consents: 126 Conditions: 2568 Designations Documents: 45 Conditions: 1317

In total ASM is responsible for ensuring compliance with 170 resource consents and 3,392 associated conditions, and 49 designations and 1,377 associated designation conditions.

Since the Alliance started in 2019, it has had no breaches of resource consents nor been served with an abatement notice.

Summaries of ASM's compliance from the start of contract are included in Appendix A.

Compliance exports from CSVue from the current date (8 December 2025) are included in Appendix B.

3.0 ASM Compliance

The majority of ASM resource consents are stormwater discharge consents and coastal occupation consents, however there are also a number of resource consents with site specific conditions.

These include those relating to discharge consents to the Coastal Marine Area and to air from maintenance activities on the Auckland Harbour Bridge, and the diffuse discharge of contaminants to ground and groundwater in the Central Motorway Junction. These consents require annual reports to be prepared and submitted to Auckland Council, whereas the majority of resource consent compliance is tracked internally, with evidence provided to the regulator on request.

3.1 Stormwater Consent Compliance

ASM has a number of different consented stormwater assets across its network which are managed as per Operation and Maintenance Management Plans inherited from NZTA Capital Projects. Sometimes assets

have a more frequent inspection and maintenance frequency to align with best practice, asset condition and to ensure a consistent approach across a large number of stormwater assets which include:

- 108 treatment ponds
- 2 dams
- 6 pump stations
- 585 culverts
- 440km of stormwater conveyance channels and swales

To streamline reporting and compliance monitoring, all stormwater asset types (based on treatment type) have a frequency of cyclic inspections (e.g. quarterly, bi-annual, annual). Assets are filed in project folders under their asset ID and associated resource consent number.

Inspection reports are also templated and include the capture of details aligned with consent conditions, for example, condition details of the inlet and outfall and details on scouring and erosion.

Cyclic resource consent condition 'signoffs' in the CSVue compliance management system have been aligned with these inspection frequencies to ensure compliance and condition reports are aligned. This 'sign-off' frequency was set up through discussion between the ASM project team and the NZTA consents team and minimises risk of non-compliance.

Monthly meetings are also held between the ASM Stormwater Maintenance Delivery Team and the ASM Compliance and Environment team to discuss the monthly inspection reports, asset condition, risk of non-compliance, and ensure required maintenance is completed before any risk of non-compliance.

An example of a monthly summary report is shown below:

Asset ID	Activity Delivery Cycle *	System Reference (Resource Consent)	Stormwater Device Reference	Delivery (Inspection and Maintenance)	SH	Device Type	Delivery Month	Report Received
Ts_0192	M2	25923	SH18 UHC Greenhithe The Close - Sandfilter	HydroVac	SH18	Sandfilter	Oct-25	Yes
Ts_0195	M2	25257	SH18 UHB Causeway Westbound - Sandfilter	HydroVac	SH18	Sandfilter	Oct-25	Yes
Ts_0196	M2	25257	SH18 UHB Causeway Westbound - Sediment Vault	HydroVac	SH18	Sediment Vault	Oct-25	Yes
Ts_0197	M2	25257	SH18 UHB Causeway/UHC Hobsonville Sandfilter	HydroVac	SH18	Sandfilter	Oct-25	Yes
Ts_0198	M2	25257	SH18 UHB Causeway/UHC Hobsonville Sediment Vault	HydroVac	SH18	Sediment Vault	Oct-25	Yes
Ts_0004	M2	25995	SH1 Alport B2 - Waiwera Estuary South pond	NZ Biosecurity	SH1	Pond / Wetland	Oct-25	Yes
Ts_0005	M2	22682	SH1-Alport B2 - Straka Pond	NZ Biosecurity	SH1	Pond / Wetland	Oct-25	Yes
Ts_0006	M2	22682	SH1-Alport B2 - Otanerau Pond	NZ Biosecurity	SH1	Pond / Wetland	Oct-25	Yes
Ts_0009	M2	24630	SH1-Alport B2 - Middle Stream Pond	NZ Biosecurity	SH1	Pond / Wetland	Oct-25	Yes
Ts_0010	M2	30949	SH1-Alport B2 - Southern Pond	NZ Biosecurity	SH1	Pond / Wetland	Oct-25	Yes
Ts_0012	M2	L.O.S	SH1 Alport B1 - Pond 1 - Orewa River Pond	NZ Biosecurity	SH1	Pond / Wetland	Oct-25	Yes
Ts_0016	M2	L.O.S	SH1 Alport A2 - Pond 5 - Silverdale NB off Northern Pond	NZ Biosecurity	SH1	Pond / Wetland	Oct-25	Yes
Ts_0017	M2	L.O.S	SH1 Alport A2 - Pond 6 - Silverdale NB off Southern Pond	NZ Biosecurity	SH1	Pond / Wetland	Oct-25	Yes
Ts_0018	M2	L.O.S	SH1 Alport A2 - Pond 7 - SnowPlanet Opposite Pond	NZ Biosecurity	SH1	Pond / Wetland	Oct-25	Yes
Ts_0020	M2	L.O.S	SH1 Alport A2 - Pond 9 - Wilks Road North Pond	NZ Biosecurity	SH1	Pond / Wetland	Oct-25	Yes
Ts_0021	M2	L.O.S	SH1 Alport A2 - Pond 10 - Wilks Road South Pond	NZ Biosecurity	SH1	Pond / Wetland	Oct-25	Yes
Ts_0022	M2	L.O.S	SH1 Alport A2 - Pond 11 - BP Frontage Pond	NZ Biosecurity	SH1	Pond / Wetland	Oct-25	Yes
Ts_0023	M2	L.O.S	SH1 Alport A2 - Pond 12 - BP Approach Pond	NZ Biosecurity	SH1	Pond / Wetland	Oct-25	Yes
Ts_0027	M2	L.O.S	SH1 Alport A2 - Pond 16 - Awaden Pond	NZ Biosecurity	SH1	Pond / Wetland	Oct-25	Yes
Ts_0029	M2	L.O.S	SH1 Alport A2 - Pond 18 - Awano North West Pond	NZ Biosecurity	SH1	Pond / Wetland	Oct-25	Yes
Ts_0036	M2	L.O.S	SH1 Alport A1 - Pond 25 - Lonely Top Pond	NZ Biosecurity	SH1	Pond / Wetland	Oct-25	Yes
Ts_0037	M2	L.O.S	SH1 Alport A1 - Pond 28 - Lonely Track Road Northwest Pond	NZ Biosecurity	SH1	Pond / Wetland	Oct-25	Yes
Ts_0041	M2	29776	SH1 Albany/Alport A1 Pond 30 - Oteha West Pond	NZ Biosecurity	SH1	Pond / Wetland	Oct-25	Yes
Ts_0045	M2	L.O.S	SH1 Alport A1 - Pond 34 - Greville Northbound On Ramp Pond	NZ Biosecurity	SH1	Pond / Wetland	Oct-25	Yes
Ts_0046	M2	L.O.S	SH1 Alport A1 - Pond 35 - Greville Northbound Off Ramp Pond	NZ Biosecurity	SH1	Pond / Wetland	Oct-25	Yes
Ts_0186	M2	25925	SH18 UHC Greenhithe - Unsworth Lower - Dry Retention Pond/Dam	Phoenix Environmental	SH18	Dam	Oct-25	Yes
Ts_0187	M2	25925	SH18 UHC Greenhithe - Unsworth Upper - Dry Retention Pond/Dam	Phoenix Environmental	SH18	Dam	Oct-25	Yes
Ts_0189	M2	25923	SH18 UHC Greenhithe - Ashby Pond	Phoenix Environmental	SH18	Pond / Wetland	Oct-25	Yes
Ts_0190	M2	25923	SH18 UHC Greenhithe - Titoki Pond	Phoenix Environmental	SH18	Pond / Wetland	Oct-25	Yes
Ts_0191	M2	25923	SH18 UHC Greenhithe - Braithwaite Pond	Phoenix Environmental	SH18	Pond / Wetland	Oct-25	Yes
Ts_0194	M2	25257	SH18 UHB Causeway Lagoon Pond	Phoenix Environmental	SH18	Pond / Wetland	Oct-25	Yes
Ts_0199	M2	25719	SH18 UHC Hobsonville - Pond A - Monterey Pond	Phoenix Environmental	SH18	Pond / Wetland	Oct-25	Yes
Ts_0200	M2	25719	SH18 UHC Hobsonville - Pond B - Brigham Creek IC Pond	Phoenix Environmental	SH18	Pond / Wetland	Oct-25	Yes
Ts_0201	M2	25719	SH18 UHC Hobsonville - Pond C - Brigham Creek IC WB On Ramp Pond	Phoenix Environmental	SH18	Pond / Wetland	Oct-25	Yes
Ts_0202	M2	25719	SH18 UHC Hobsonville - Pond D - Trig Road EB On Ramp Pond	Phoenix Environmental	SH18	Pond / Wetland	Oct-25	Yes
Ts_0203	M2	25719	SH18 UHC Hobsonville - Pond E - Trig Road Pond	Phoenix Environmental	SH18	Pond / Wetland	Oct-25	Yes
Ts_0173	M2	25487	SH16 Stanley Street - Sediment Detention Vault	TDG	SH16	Sediment Detention Vault	Oct-25	Yes

Figure 1: Example of monthly ASM Stormwater inspection report with Asset ID, cyclic inspection frequency, resource consent reference and contractor.

Note LOS are assets which has level of service inspections not related to a consent frequency. The asset ID is hyperlinked to open the full inspection report. An example of a report is included in Appendix C.

This approach allows easy tracking of compliance against a large number of assets and a risk-based approach around adjustments to asset inspection frequencies which has a significant benefit in terms of efficiency and cost reductions.

3.2 Structures Consent Compliance

ASM is responsible for the maintenance of 130 bridges (including the Auckland Harbour Bridge) and a number of other structures such as large culverts, noise walls and sea walls.

A General Inspection (GI) of a structure is undertaken every 2 years, and a Principal Inspection (PI) every 6 years. The ASM compliance team have access to these reports and have aligned the cyclic resource consent condition 'signoffs' to align with the completion of these reports. The reports contain details required to sign off common conditions associated with occupation consents, such as pier condition and scouring.

4.0 Limitations

ASM is responsible for the operational and maintenance conditions of NZTA's consents which cover assets or activities within its maintenance boundary. The project has inherited a number of historic conditions which relate to various management plans or the requirement for the provision of as-builts. These conditions have been historically signed off without attachments, and ASM has yet to be able to locate the associated documents, even with the help of NZTA, Councils and relevant consultants.

As such it is difficult to determine that these conditions are complied with by the relevant construction/capital project prior to being inherited by ASM, however these are omitted from ASMs compliance reporting numbers.

The details captured in CSVue also don't always align with Council records. NZTA references for resource consents are often different from those held by the relevant Council, particularly within the Auckland boundary, where historic district council references are still used in CSVue. Additional to this, conditions for both resource consents and designations are higher in CSVue than in Council records. This is due to a number of reasons, as summarised below and detailed in Appendix A.

- Sub-sections of conditions, e.g. 3(a), 3(b) are split out as different 'tasks' in CSVue, consequently the management system records these as separate conditions
- Advice notes entered are treated as a 'task' within CSVue and like sub-sections of conditions, are recorded as separate conditions within CSVue
- Section 127 changes to conditions and updates to designations are not always up to date
- Designations can be duplicated across collections

Consequently, the CSVue management system shows higher document (designations and resources consents) and condition numbers than what is recorded in Council records.

5.0 Summary

ASMs process to track and manage compliance continues to evolve, however consistency is critical to minimise risk of non-compliance. Standardised approaches to inspections and identifying common conditions across asset types and reflecting these in asset management and delivery documentation has significantly improved the efficiency of ASMs compliance monitoring.

Where site specific conditions are required, these are simple to separate out and build into work planning, however challenges arise where assets are inherited from projects with onerous conditions which are misaligned with current ASM best practice and do not improve on the management of potential effects. In these instances, ASM often works proactively with Auckland Council's Environmental Monitoring / Licensing and Compliance team or has to pursue a s127 condition change.

APPENDIX A – ASM COMPLIANCE

Compliance 1 July 2019 – 8 December 2025

The CSVue Compliance Management System allows resource consent conditions to be signed off as a 'task', where the frequency is set by the NZTA Consents team. ASM works with this team to identify appropriate 'task sign-off' frequencies based either on the specific wording in the resource consent condition, or on the inspection frequencies recommended by the Asset Manager (if these are more frequent).

The 'snips' below are from CSVue and show ASM's compliance with the resource consents in the associated collection from the start of the Alliance contract (1 July 2019) to date. Different date ranges for the collections reflect the dates these sections of the network were added to the ASM maintenance scope.

Where the compliance percentage shows as less than 100%, this demonstrates that there was a **delay in signing off a 'task'** as per the sign-off frequency, not non-compliance.

The 'Breached Conditions' number shows a historic non-compliance with a consent condition/resource consent. **All collections show 0 breached conditions during ASM management.**

Collection: (NZTA) NOC – Auckland System Management (ASM) – Waikato Consents

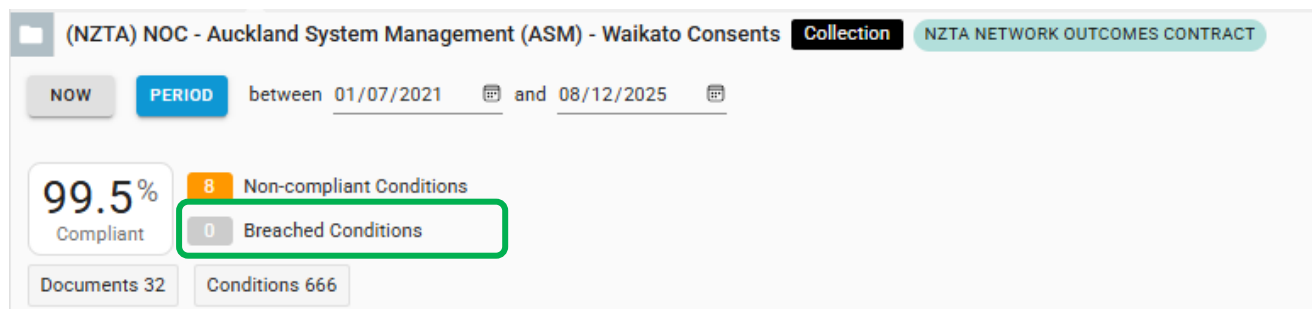


Figure 2: Snip from NZTA's CSVue Compliance Monitoring System showing 8 conditions have been delayed being 'signed off', and no breached conditions since ASM took over this portion of the network on 1 July 2021.

Note: Collection snip above includes 2 designation documents with 60 associated designation conditions in their total 'Document' and 'Conditions' values.

Collection: (NZTA) B&S – Auckland Harbour Bridge Contract

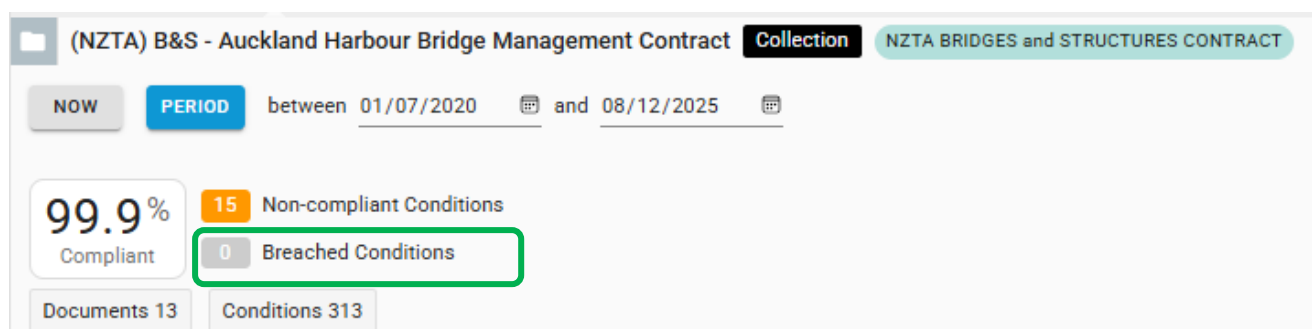


Figure 3: Snip from NZTA's CSVue Compliance Monitoring System showing 15 conditions have been delayed being 'signed off', and no breached conditions since ASM took over the maintenance responsibilities on 1 July 2020.

Note: Collection snip above includes 3 designation documents with 0 associated designation conditions in their total 'Document' and 'Conditions' values. One of these (NZTA Designation 6718) is duplicated in the (NZTA) NOC – Auckland System Management (ASM) Collection.

Collection: (NZTA) SH16 – ASM – Auckland Boundary to Restall Road

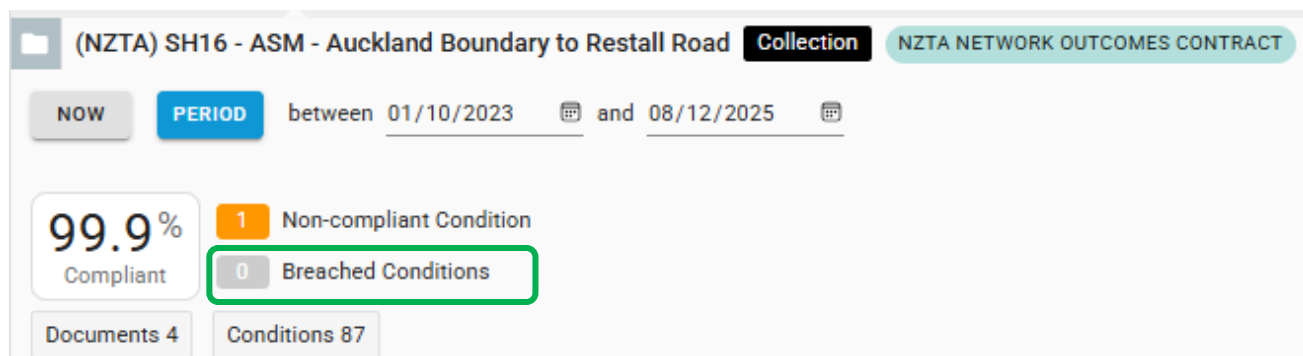


Figure 4: Snip from NZTA's CSVue Compliance Monitoring System showing 1 condition delayed being 'signed off', and no breached conditions since ASM took over this portion of the network on 1 October 2023.

Note: This collection does not include any 'designation documents'.

Collection: (NZTA) NOC – Auckland System Management (ASM)

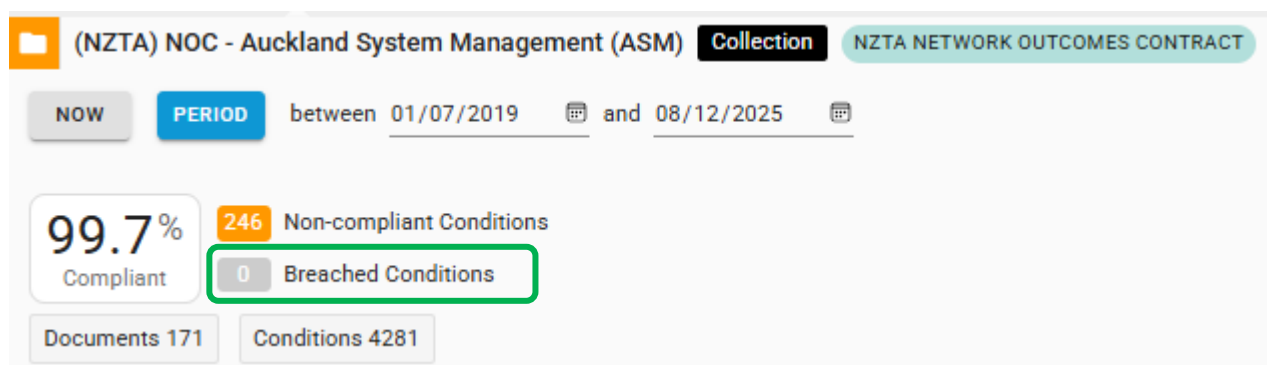


Figure 5: Snip from NZTA's CSVue Compliance Monitoring System showing 246 conditions have been delayed being 'signed off', and no breached conditions since 2019.

Note: Collection snip above includes 45 designation documents with 1317 associated designation conditions in their total 'Document' and 'Conditions' values.

Document and Condition Discrepancies

As outlined in [4.0 Limitations](#), the number of 'Documents' and 'Conditions' in the snips from CSVue do not align with the values summarised in [Table 1](#).

The table below details the differences between condition numbers for designations recorded in the Auckland Unitary Plan (AUP), Waikato District Plan and the CSVue Management System and provides justification for the discrepancies.

Designation Reference	AUP/WDC Condition No.	CSVue Condition No.	Justification for discrepancy
Collection: (NZTA) NOC – Auckland System Management (ASM) – Waikato Consents			
WAIDC - J21	18	18	
WAIDC - NZTA3	42	48	Advice notes and/or sub-conditions recorded as separate 'conditions' for internal tracking purposes in CSVue
Collection: (NZTA) NOC – Auckland System Management (ASM) – Waikato Consents			
AKLC - 6718	0	143	Duplicated in the (NZTA) NOC – Auckland System Management (ASM) collection.
AKLC - 6748	0	31	Changes resulting from alteration of designation not yet updated in CSVue
AKLC - 6749	0	0	
Collection: (NZTA) NOC – Auckland System Management (ASM)			
AKLC - 6700	0	48	Changes resulting from alteration of designation not yet updated in CSVue
AKLC - 6701	0	51	Changes resulting from alteration of designation not yet updated in CSVue
AKLC - 6702	0	0	
AKLC - 6703	0	0	
AKLC - 6704	0	10	Advice notes and notes relating to alteration of designation recorded in CSVue as 'conditions' in summary export
AKLC - 6705	0	4	Advice notes and notes relating to alteration of designation recorded in CSVue as 'conditions' in summary export
AKLC - 6706	43	44	Advice notes and/or sub-conditions recorded as separate 'conditions' for internal tracking purposes in CSVue

AKLC - 6707	28	29	Advice notes and/or sub-conditions recorded as separate 'conditions' for internal tracking purposes in CSVue
AKLC - 6708	0	51	Advice notes and/or sub-conditions recorded as separate 'conditions' for internal tracking purposes in CSVue
AKLC - 6709	58	59	Advice notes and/or sub-conditions recorded as separate 'conditions' for internal tracking purposes in CSVue
AKLC - 6710	58	59	Advice notes and/or sub-conditions recorded as separate 'conditions' for internal tracking purposes in CSVue
AKLC - 6712	31	35	Advice notes and/or sub-conditions recorded as separate 'conditions' for internal tracking purposes in CSVue
AKLC - 6713	28	32	Advice notes and/or sub-conditions recorded as separate 'conditions' for internal tracking purposes in CSVue
AKLC - 6714	9	14	Advice notes and/or sub-conditions recorded as separate 'conditions' for internal tracking purposes in CSVue
AKLC - 6715	0	0	
AKLC - 6716	51	56	Advice notes and/or sub-conditions recorded as separate 'conditions' for internal tracking purposes in CSVue
AKLC - 6718	0	143	Condition updates in response to the East West link project being made consequent upon the <i>Royal Forest and Bird Protection Society of New Zealand Incorporated v New Zealand Transport Agency [2024] NZSC 26</i> not yet updated in CSVue. Note: duplicated in '(NZTA) NOC – Auckland System Management (ASM) – Waikato Consents' collection.
AKLC - 6719	7	11	Advice notes and/or sub-conditions recorded as separate 'conditions' for internal tracking purposes in CSVue
AKLC - 6720	66	84	Advice notes and/or sub-conditions recorded as separate 'conditions' for internal tracking purposes in CSVue

AKLC – 6721	83	105	Advice notes and/or sub-conditions recorded as separate ‘conditions’ for internal tracking purposes in CSVue
AKLC – 6724	18	19	Advice notes and/or sub-conditions recorded as separate ‘conditions’ for internal tracking purposes in CSVue
AKLC – 6725	18	19	Advice notes and/or sub-conditions recorded as separate ‘conditions’ for internal tracking purposes in CSVue
AKLC – 6727	5	7	Advice notes and/or sub-conditions recorded as separate ‘conditions’ for internal tracking purposes in CSVue
AKLC - 6729	5	5	
AKLC – 6731	60	89	Advice notes and/or sub-conditions recorded as separate ‘conditions’ for internal tracking purposes in CSVue
AKLC – 6732	60	89	Advice notes and/or sub-conditions recorded as separate ‘conditions’ for internal tracking purposes in CSVue
AKLC – 6733	60	90	Advice notes and/or sub-conditions recorded as separate ‘conditions’ for internal tracking purposes in CSVue
AKLC – 6734	44	56	Advice notes and/or sub-conditions recorded as separate ‘conditions’ for internal tracking purposes in CSVue
AKLC - 6735	86	101	Advice notes and/or sub-conditions recorded as separate ‘conditions’ for internal tracking purposes in CSVue
AKLC – 6736	1	16	Advice notes and notes relating to outline plan of works recorded in CSVue as ‘conditions’ in summary export
AKLC – 6738	154	41	Advice notes and notes relating to outline plan of works recorded in CSVue as ‘conditions’, detailed conditions and decision included as a PDF attachment and not recorded as separate ‘conditions’ on export
AKLC – 6740	1	8	Advice notes and notes relating to outline plan of works recorded in CSVue as ‘conditions’ in summary export

AKLC – 6741	36	69	Advice notes and/or sub-conditions recorded as separate 'conditions' for internal tracking purposes in CSVue
AKLC – 6744	2	2	
AKLC - 6747	0	0	
AKLC – 6750	36	26	Advice notes and notes relating to outline plan of works recorded in CSVue as 'conditions', detailed conditions and 'decision' included as a PDF attachment and not recorded as separate 'conditions' on export
AKLC – 6751	34	8	Advice notes and notes relating to outline plan of works recorded in CSVue as 'conditions', detailed conditions and 'decision' included as a PDF attachment and not recorded as separate 'conditions' on export
AKLC – 6753	0	1	Note relating to alteration of designation recorded in CSVue as a 'condition' in summary export
AKLC – 6756	50	75	Advice notes and/or sub-conditions recorded as separate 'conditions' for internal tracking purposes in CSVue
AKLC – 6757	81	107	Advice notes and/or sub-conditions recorded as separate 'conditions' for internal tracking purposes in CSVue
AKLC – 6759	0	2	Advice notes and notes relating to outline plan of works recorded in CSVue as 'conditions' in summary export
AKLC – 6760	0	1	Advice notes and notes relating to outline plan of works recorded in CSVue as 'conditions' in summary export
AKLC - 6761	44	47	Advice notes and notes relating to outline plan of works recorded in CSVue as 'conditions' in summary export
AKLC – 6775	26	0	Detailed conditions and 'decision' included as a PDF attachment and not recorded as separate 'conditions' on export
AKLC - 6776	34	0	Detailed conditions and 'decision' included as a PDF attachment and not recorded as separate 'conditions' on export

APPENDIX B – ASM COMPLIANCE REPORTS 8 DECEMBER 2025

ASM Resource Consent Compliance - Waikato Regional Council Collection December 2025

Total	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	32 666 Conditions Documents
AUTH102559.01.04	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	19 Conditions
AUTH102998.01.01	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	17 Conditions
AUTH103358.01.01	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	19 Conditions
AUTH103486.01.01	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	24 Conditions
AUTH103746.01.01	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	11 Conditions
AUTH103747.01.01	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	17 Conditions
AUTH103749.01.01	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	18 Conditions
AUTH103750.01.01	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	8 Conditions
AUTH103751.01.01	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	8 Conditions
AUTH108013.01.01	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	21 Conditions
AUTH110175.01.01	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	3 Conditions
AUTH110176.01.02	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	18 Conditions
AUTH112023.01.01	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	17 Conditions
AUTH112450.01.01	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	17 Conditions
AUTH121255.01.02	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	9 Conditions
AUTH135784.03.01	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	70 Conditions
AUTH135784.04.01	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	73 Conditions
AUTH135784.05.01	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	79 Conditions
AUTH139131.01.01	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	48 Conditions
AUTH139131.02.01	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	15 Conditions
AUTH139131.03.01	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	4 Conditions
AUTH139131.04.01	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	3 Conditions
AUTH140369.01.01	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	4 Conditions
AUTH930918.01.01	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	11 Conditions
AUTH940668.01.01	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	13 Conditions
AUTH940669.01.01	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	10 Conditions
AUTH940671.01.01	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	10 Conditions
AUTH940730.01.01	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	12 Conditions

AUTH940731.01.01	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	10 Conditions
AUTH950252.01.01	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	12 Conditions
WAIDC-J21 (Original Mercer to Longswamp - 1998 Decision)	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	18 Conditions
WAIDC-NZTA3	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	48 Conditions

Note: Highlighted rows indicate designations and associated conditions

ASM Resource Consent Compliance - Auckland Unitary Council Auckland Harbour Bridge Collection December 2025

Total	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	13 Documents	313 Conditions
23660	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		8 Conditions
27150	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		9 Conditions
30571	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		12 Conditions
30573	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		8 Conditions
31115	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		16 Conditions
52732	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		0 Conditions
AKLC-6718	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		143 Conditions
AKLC-6748	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		31 Conditions
AKLC-6749	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		2 Conditions
CST60047496-A	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		28 Conditions
DIS60047558-A	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		34 Conditions
LN-2136826	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		7 Conditions
LUC2120815	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		15 Conditions

Note: Highlighted rows indicate designations and associated conditions

ASM Resource Consent Compliance - Auckland Unitary Council State Highway 16 Extension Collection December 2025

Total	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions	4 Documents	87 Conditions
27715	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		20 Conditions
37654	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		18 Conditions
BUN20449603 - 38968	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		31 Conditions
BUN20449603 - 59840	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		18 Conditions

ASM Resource Consent Compliance - Auckland Unitary Council Collection December 2025

Total	100% Compliant	1 Non-Compliant Conditions	0 Breached Conditions	171 Documents	4281 Conditions
2023/564	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		8 Conditions
2985	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		3 Conditions
9674	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		54 Conditions
9675	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		10 Conditions
12684	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		6 Conditions
12771	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		11 Conditions
15250	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		23 Conditions
15606	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		13 Conditions
20861	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		28 Conditions
20868	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		4 Conditions
21088	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		54 Conditions
22950	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		8 Conditions
23452	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		5 Conditions
23759	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		12 Conditions
24530	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		33 Conditions
25254	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		32 Conditions
25257	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		18 Conditions
25487	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		12 Conditions
25550	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		21 Conditions
25551	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		17 Conditions
25592	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		39 Conditions
25621	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		47 Conditions
25623	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		28 Conditions
25624	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		48 Conditions
25625	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		28 Conditions
25634	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		21 Conditions
25720	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		16 Conditions
25721	100% Compliant	0 Non-Compliant Conditions	0 Breached Conditions		46 Conditions

25734	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	15 Conditions
25747	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	8 Conditions
25751	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	15 Conditions
25769	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	8 Conditions
25770	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	31 Conditions
25773	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	16 Conditions
25777	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	15 Conditions
25778	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	9 Conditions
25786	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	19 Conditions
25849	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	16 Conditions
25853	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	16 Conditions
26048	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	41 Conditions
26049	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	15 Conditions
26226	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	23 Conditions
26228	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	9 Conditions
26230	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	19 Conditions
26232	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	20 Conditions
26322	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	8 Conditions
26363	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	8 Conditions
26364	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	8 Conditions
26643	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	15 Conditions
26952	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	12 Conditions
27296	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	13 Conditions
29426	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	13 Conditions
29509	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	15 Conditions
29776	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	13 Conditions
30280	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	17 Conditions
30292	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	4 Conditions
30949	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	16 Conditions
31073	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	20 Conditions

31075	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	20 Conditions
31077	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	41 Conditions
31108	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	13 Conditions
31109	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	13 Conditions
31110	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	12 Conditions
31113	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	13 Conditions
31114	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	14 Conditions
31116	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	12 Conditions
31117	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	12 Conditions
31332	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	15 Conditions
31517	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	20 Conditions
31827	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	16 Conditions
32405	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	23 Conditions
32451-32452	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	20 Conditions
32454	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	51 Conditions
32637	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	50 Conditions
32684	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	38 Conditions
32688	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	44 Conditions
32693	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	49 Conditions
32695	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	34 Conditions
32843	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	8 Conditions
32856	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	13 Conditions
33092	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	34 Conditions
33093	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	27 Conditions
33617	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	21 Conditions
33695	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	11 Conditions
34121	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	21 Conditions
35092	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	8 Conditions
35602	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	26 Conditions
35626	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	24 Conditions

35786	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	8 Conditions
35853	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	17 Conditions
36120	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	17 Conditions
36175	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	16 Conditions
36176	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	46 Conditions
36282	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	11 Conditions
36599	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	16 Conditions
36712	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	29 Conditions
36822	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	17 Conditions
37014	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	5 Conditions
37161	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	7 Conditions
37474	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	13 Conditions
37604	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	19 Conditions
38117	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	17 Conditions
38210	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	17 Conditions
38356	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	36 Conditions
38360	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	35 Conditions
38364	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	30 Conditions
38365	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	26 Conditions
38599	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	23 Conditions
40074	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	10 Conditions
48121	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	40 Conditions
AKLC-6700	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	48 Conditions
AKLC-6701	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	51 Conditions
AKLC-6702	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	0 Conditions
AKLC-6703	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	0 Conditions
AKLC-6704	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	10 Conditions
AKLC-6705	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	4 Conditions
AKLC-6706	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	44 Conditions
AKLC-6707	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	29 Conditions

AKLC-6708	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	51 Conditions
AKLC-6709	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	59 Conditions
AKLC-6710	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	59 Conditions
AKLC-6712	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	35 Conditions
AKLC-6713	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	32 Conditions
AKLC-6714	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	14 Conditions
AKLC-6715	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	0 Conditions
AKLC-6716	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	56 Conditions
AKLC-6718	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	143 Conditions
AKLC-6719	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	11 Conditions
AKLC-6720	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	84 Conditions
AKLC-6721	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	105 Conditions
AKLC-6724	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	19 Conditions
AKLC-6725	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	19 Conditions
AKLC-6727	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	7 Conditions
AKLC-6729	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	5 Conditions
AKLC-6731	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	89 Conditions
AKLC-6732	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	89 Conditions
AKLC-6733	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	90 Conditions
AKLC-6734	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	56 Conditions
AKLC-6735	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	101 Conditions
AKLC-6736	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	16 Conditions
AKLC-6738	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	41 Conditions
AKLC-6740	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	8 Conditions
AKLC-6741	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	69 Conditions
AKLC-6744	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	2 Conditions
AKLC-6747	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	0 Conditions
AKLC-6750	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	26 Conditions
AKLC-6751	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	8 Conditions
AKLC-6753	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	1 Condition

AKLC-6756	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	75 Conditions
AKLC-6757	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	107 Conditions
AKLC-6759	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	2 Conditions
AKLC-6760	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	1 Condition
AKLC-6761	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	47 Conditions
AKLC-6775	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	0 Conditions
AKLC-6776	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	0 Conditions
BUN60367100	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	48 Conditions
CST60260437	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	0 Conditions
CST60260512	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	0 Conditions
LT-2140234	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	16 Conditions
R/LUC/2009/3959	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	22 Conditions
R/LUC/2010/2593	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	10 Conditions
R/LUC/2015/3473	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	40 Conditions
R/LUC/2016/2699	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	18 Conditions
R/REG/2013/4892	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	5 Conditions
R/REG/2014/290	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	20 Conditions
R/REG/2014/4169	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	7 Conditions
R/REG/2015/253 & R/REG/2015/646	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	29 Conditions
R/REG/2015/3478	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	48 Conditions
R/TRC/2014/2837	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	6 Conditions
REG-2016-226	100% Compliant0 Non-Compliant Conditions0 Breached Conditions	25 Conditions
WAT60387191	92.9% Compliant1 Non-Compliant Conditions0 Breached Conditions	14 Conditions

Note 1: WAT60387191 has no breached consent conditions. Compliance is showing as 92.9% because one condition has yet to be 'signed off' as an engineering report confirming the completion of maintenance works has yet to be received.

Note 2: Highlighted rows indicate designations and associated conditions.

APPENDIX C – EXAMPLE ASM STORMWATER INSPECTION REPORT

**STORMWATER MANAGEMENT DEVICE
INSPECTION and MAINTENANCE WORKSHEETS
INSTRUCTION for USE**

Use the following as a guide when undertaking inspections on stormwater treatment assets

STEP-BY-STEP INSTRUCTIONS FOR INSPECTION AND REPORTING

1. Print **Asset ID Form** and **Inspection Worksheet**
2. Take a copy (laminated) of the **Field Guides** for reference during inspection
3. Fill in paper copy of **Inspection Worksheet** in the field. Inspect each item and score according to the rating method given on the worksheet (1-5 or as indicated). If unsure, check Field Guides
4. Undertake appropriate routine maintenance (i.e. litter removal and pest plant management). Record any minor 'cyclic' operational maintenance activity in '**Comments/Photo Reference**' cell of the item on the **Inspection Worksheet**.
5. Fill in electronic copy of **Inspection Worksheet** when you return to the office.
6. Insert relevant photos into **Photo Record** using "insert new photo" button. When using the Photo Record sheet note:
 - a. If using a copy of a previous inspection worksheet, remember to use the "reset" button on the **Photo Record** sheet to clear all previous information before you start inserting new images (of 'current' inspection).
 - b. Prior to inserting new photos into workbook images should be reduced in file size to minimise the worksheet file size (for the ease of email reporting).
7. Send completed Excel workbook of completed **Inspection Worksheet** and **Inspection Summary** forms to the Stormwater Asset Manager (Peter Mitchell) and Stormwater Delivery Manager (Dinesh Sivan)

WORKBOOK FORMS

ASSET ID FORM

The Asset ID Form contains all the information about the asset including special instructions and temporary traffic management requirements. No input should be required on this form by the person undertaking the inspection unless the asset is being inspected for the first time. The Asset ID Form should be filled in by the person issuing the works order or requesting the maintenance (e.g. team leader or stormwater asset manager)

INSPECTION WORKSHEET

This is the main form to be used when undertaking inspections. Print this form and fill in during inspection. Inspect each item on the form and score it according the rating methods given on the worksheet.

INSPECTION SUMMARY

No input is required on this form. Information is automatically transferred to this form from the Inspection Worksheet once electronic forms are completed. This will give a snapshot of the asset condition and maintenance priority rating.

PHOTO RECORD

Use this sheet to insert photos taken during inspection (**refer instruction 6 above**). Remember to include a comment/description for each photo when prompted. When taken photos during inspection and selecting them for the photo record sheet it is useful to include images of items that are in good condition **as well as** those that need attention in order to give a true representation of the overall asset condition.

FIELD GUIDES

The field guide sheets outline the function and terminology relating to the particular asset type. Use this as a reference if any of the terms in the Inspection Worksheet are unfamiliar.

**STORMWATER MANAGEMENT DEVICE
 ASSET IDENTIFICATION SHEET for
 PONDS and WETLANDS**

Facility ID:

T3_0194 SH18 UHB Causeway Lagoon Pond

Resource Consent Number:

25257
RAMM DATA - ASSET INFORMATION

Type:	Stormwater Pond	
Road Name:		
Start of road section (m):		
Displacement of asset (m):		
Side of Roadway:		
Offset from c'way centreline (m):		
GPS Coordinates:	(N)	
(NZTM 2000)	(E)	
Location Description Reference:		
Date constructed:		
Flow dir. (increase/ decrease):		

ASSET DESCRIPTION

Main Pond Type:	
Inlet type:	
Material:	
Pretreatment type:	
Service Spillway type:	
Emergency Spillway type:	
Outfall type:	
Planting type:	

ASSET FUNCTIONS

Water Quality Treatment:	YES
Extended Detention:	
Flood control/attenuation:	

PHYSICAL DIMENSIONS

DRAWING REF (if known):	
Length (m):	
Width (m):	
Permanent Pool Depth (mm):	
Inlet pipe dia. (mm):	
Outlet pipe dia. (mm):	

TEMPORARY TRAFFIC MANAGEMENT (TTM) REQUIRED FOR INSPECTION OF ASSET

--

SPECIAL INSTRUCTION/COMMENTS (TOOLS/PARTS, KEYS, COMBINATION LOCK CODE ETC.)

--

GENERAL LAYOUT PLAN

--

**STORMWATER MANAGEMENT DEVICE
ASSET IDENTIFICATION SHEET for
PONDS and WETLANDS**

Facility ID:

T3_0194 SH18 UHB Causeway Lagoon Pond

Resource Consent Number:

25257

**STORMWATER MANAGEMENT DEVICE
INSPECTION RECORD SHEET for
PONDS and WETLANDS**

Facility ID:

T3_0194 SH18 UHB Causeway Lagoon Pond

Resource Consent Number:

25623

Use the following condition rating convention for each item or as indicated

1 = **Excellent** condition. **No action required.**

N/A = Not Applicable to current asset (i.e. item not present/relevant)

2 = **Good** condition. **No action required.**

3 = **Average** condition. **Routine maintenance required.**

4 = **Degraded** condition. **Repairs needed.**

5 = **Serious** condition. **Immediate repair or replacement.**

INSPECTION INFORMATION

Name of Inspector(s):		Alana Frampton			
Date and Time					
Date:		1/10/2025			
Time:		Start:	13:15:00		
		End:	13:45:00		
Weather Conditions					
During inspection:		Showers	Fine / Overcast / Showers / Rain		
Last 2-3 days:		Overcast	Fine / Overcast / Showers / Rain		

SAFE ACCESS

Item	1-5	Comments/Photo Reference
1. Condition of Main access gate (damage, locks, etc.)	N/A	
N/A		
2. Condition of Main access track (weeds, cracking, etc.)	2	Accessible from pullover bay 200m further up motoway.
No action required		
3. Condition of pond Forebay access (overgrown, weeds etc.)	2	
No action required		
4. Condition of Outfall spillway access (Emergency & Service Spillways)	N/A	
N/A		
5. Condition of Safety fences (gaps, damage, vandalism etc.)	2	
No action required		

INLET AND FOREBAY

Item	1-5	Comments/Photo Reference
6. Condition of Inlet pipe (cracking, gaps, scouring etc.)	2	
No action required		
7. Condition of Energy dissipation (damage, spalling etc.)	2	
No action required		
8. Condition of Forebay weir/bund (damaged rip-rap, scour)	2	Submerged bund system

**STORMWATER MANAGEMENT DEVICE
INSPECTION RECORD SHEET for
PONDS and WETLANDS**

Facility ID:

T3_0194 SH18 UHB Causeway Lagoon Pond

Resource Consent Number:

25623

Use the following condition rating convention for each item or as indicated

1 = **Excellent** condition. **No action required.**

N/A = Not Applicable to current asset (i.e. item not present/relevant)

2 = **Good** condition. **No action required.**

3 = **Average** condition. **Routine maintenance required.**

4 = **Degraded** condition. **Repairs needed.**

5 = **Serious** condition. **Immediate repair or replacement.**

No action required

9. Oil or grease build-up (1=none to 5=extensive)

N/A

N/A

10. Percent covered in Debris (bottles, rubbish, vegetation etc.)

%

0-10%

No action required

11. Average depth of Sediment build-up in forebay

mm

0-100

No action required

Volumes in forebay for removal (estimate during inspection):
Floatable debris (bottles/rubbish etc.):

<1

m³
Accumulated Sediment:

12

m³
MAIN POND AREA

Item	1-5	Comments/Photo Reference
12. Percent pond covered in Debris (bottles, rubbish, vegetation etc.)	% 0-10%	Removed small amounts of inorganics
No action required		
13. Oil or grease build-up (1=none to 5=extensive)	N/A	
N/A		
14. Condition/health of Wetland vegetation (if any)	2	
No action required		
Volumes in main pond for removal (estimate during inspection):		
Floatable debris (bottles/rubbish etc.):	<1	m³
Accumulated Sediment:	20	m³

SERVICE OUTLET

Item	1-5	Comments/Photo Reference
15. Condition of Main outlet structure (cracking, joints etc.)	2	
No action required		
16. Condition of Low flow outlet (e.g. corrosion, cracking etc.)	2	

**STORMWATER MANAGEMENT DEVICE
INSPECTION RECORD SHEET for
PONDS and WETLANDS**

Facility ID:

T3_0194 SH18 UHB Causeway Lagoon Pond

Resource Consent Number:

25623

Use the following condition rating convention for each item or as indicated

1 = **Excellent** condition. **No action required.**

N/A = Not Applicable to current asset (i.e. item not present/relevant)

2 = **Good** condition. **No action required.**

3 = **Average** condition. **Routine maintenance required.**

4 = **Degraded** condition. **Repairs needed.**

5 = **Serious** condition. **Immediate repair or replacement.**

No action required

17. Condition of High flow outlet
(e.g. corrosion, cracking etc.)

2

No action required

18. Condition of High flow debris screen
(damaged, blocked etc.)

2

No action required

19. Condition of Emergency spillway
(blocked, damaged rip-rap etc.)

2

No action required

OUTFALL

Item	1-5	Comments/Photo Reference
20. Condition of Outfall pipe (cracked, scouring etc.)	2	Outfall access restored
No action required		
21. Condition of Outlet energy dissipator (rip-rap failure etc.)	2	
No action required		
22. Condition of Outfall channel (erosion at outlet/within channel)	2	
No action required		

POND BUND EMBANKMENT

Item	1-5	Comments/Photo Reference
23. Condition of Embankment/side slopes (erosion/scour etc.)	2	
No action required		
24. Seepage or leaking through embankment or around outlet pipe	2	
No action required		
25. Condition of embankment (slumping, slips etc.)	2	
No action required		
26. Condition/health of any Large trees on embankment	2	Most weed species recently targeted including gorse, blackberry, wattle and pampass

**STORMWATER MANAGEMENT DEVICE
INSPECTION RECORD SHEET for
PONDS and WETLANDS**

Facility ID:

T3_0194 SH18 UHB Causeway Lagoon Pond

Resource Consent Number:

25623

Use the following condition rating convention for each item or as indicated

1 = Excellent condition. No action required.

N/A = Not Applicable to current asset (i.e. item not present/relevant)

2 = Good condition. No action required.

3 = Average condition. Routine maintenance required.

4 = Degraded condition. Repairs needed.

5 = Serious condition. Immediate repair or replacement.

No action required

VEGETATION & APPEARANCE

Item	1-5	Comments/Photo Reference
27. Good Plant cover around pond (embankment and margin)	3	Plating took place in this asset approximately 5 years ago, the only area that has done well is the back of the asset where teams havnt historically sprayed. Could not find any rare species i.e kaka beak that were planted here during that time.
Routine maintenance required.		
28. Health of plants around pond (excluding wetland planting)	2	
No action required		
29. Extent of Pest plants/weeds around pond	2	Weed issue well inhand after recent maintenance, mile a minute weed will continue to be targeted by has had a 90% reduction
No action required		
30. Condition of any Grassed areas (1=tidy 5=long grass/overgrown)	2	
No action required		
31. Graffiti/vandalism (1=none to 5=extensive)	N/A	
N/A		

ADDITIONAL NOTES

Please state any observations made that are additional to the predefined fields

**STORMWATER MANAGEMENT DEVICE
 INSPECTION SUMMARY SHEET for
 PONDS and WETLANDS**
Facility ID:
T3_0194 SH18 UHB Causeway Lagoon Pond
Resource Consent Number:
25257
INSPECTION DETAILS

 Date of inspection: **1/10/2025**

 Inspector: **Alana Frampton**

 Start Time: **1:15:00 PM**

 Finish Time: **1:45:00 PM**
ATTRIBUTE GROUP CONDITION RATINGS

SAFE ACCESS	2.0	Good
INLET AND FOREBAY	1.8	Good to Excellent
MAIN POND AREA	2.0	Good
SERVICE OUTLET	2.0	Good
OUTFALL	2.0	Good
POND BUND EMBANKMENT	2.0	Good
VEGETATION & APPEARANCE	2.3	Good

OVERALL ASSET CONDITION RATING

Overall Rating of Stormwater Management Asset based on Attribute Group condition ratings.

OVERALL RATING: 2.00 Good
MAINTENANCE PRIORITY RATING

AMA Level of Service Rating based on Weighted response	P0-P4	Priority Maintenance (URGENT assessment for priority activity needs)
	P4-P6	Maintenance Required
	P8	Routine Activity (monitor next cycle)
	P9	NO maintenance (monitor next cycle)
	P10	NO maintenance required
AMA LoS PRIORITY RATING:		P8 Routine Activity (monitor next cycle)

ADDITIONAL NOTES

2. Main access track - Accessible from pullover bay 200m further up motoway.
8. Forebay weir/bund - Submerged bund system
12. Debris (main pond) - Removed small amounts of inorganics
20. Outfall pipe - Outfall access restored
26. Large trees on embankme - Most weed species recently targeted including gorse, blackberry, wattle and pampass
27. Plant cover around pond - Plnating took place in this asset approximately 5 years ago, the only area that has done well is the back of the asset where teams havnt historically sprayed. Could not find any rare species i.e kaka beak that were planted here during that time.
29. Pest plants/weeds - Weed issue well inhand after recent maintenance, mile a minute weed will continue to be targeted by has had a 90% reduction

**STORMWATER MANAGEMENT DEVICE
INSPECTION SUMMARY SHEET for
PONDS and WETLANDS**

Facility ID:

T3_0194 SH18 UHB Causeway Lagoon Pond

Resource Consent Number:

25257

STORMWATER MANAGEMENT DEVICE
PHOTO RECORD for POND/WETLAND
INSPECTION DATE: 45931

Facility ID:

T3_0194 SH18 UHB Causeway Lagoon Pond

Resource Consent Number:

25257



Forebay



Inlet

STORMWATER MANAGEMENT DEVICE
PHOTO RECORD for POND/WETLAND
INSPECTION DATE: 45931

Facility ID:

T3_0194 SH18 UHB Causeway Lagoon Pond

Resource Consent Number:

25257



Inlet pipe



Main pond

STORMWATER MANAGEMENT DEVICE
PHOTO RECORD for POND/WETLAND
INSPECTION DATE: 45931

Facility ID:

T3_0194 SH18 UHB Causeway Lagoon Pond

Resource Consent Number:

25257



Outlet



Debris shield

STORMWATER MANAGEMENT DEVICE
PHOTO RECORD for POND/WETLAND
INSPECTION DATE: 45931

Facility ID:

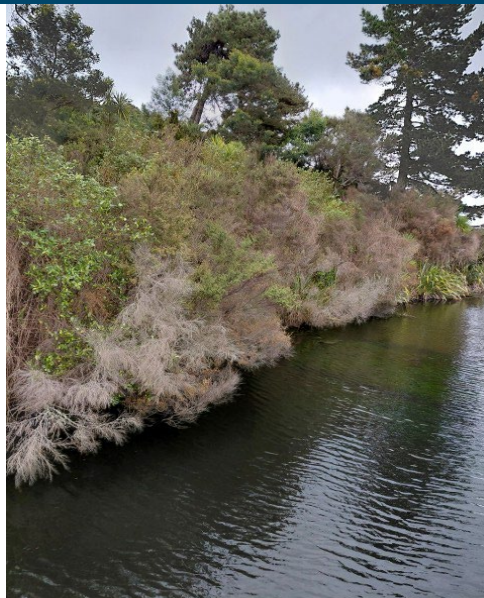
T3_0194 SH18 UHB Causeway Lagoon Pond

Resource Consent Number:

25257



Previous weed control



Mile a minue weed control

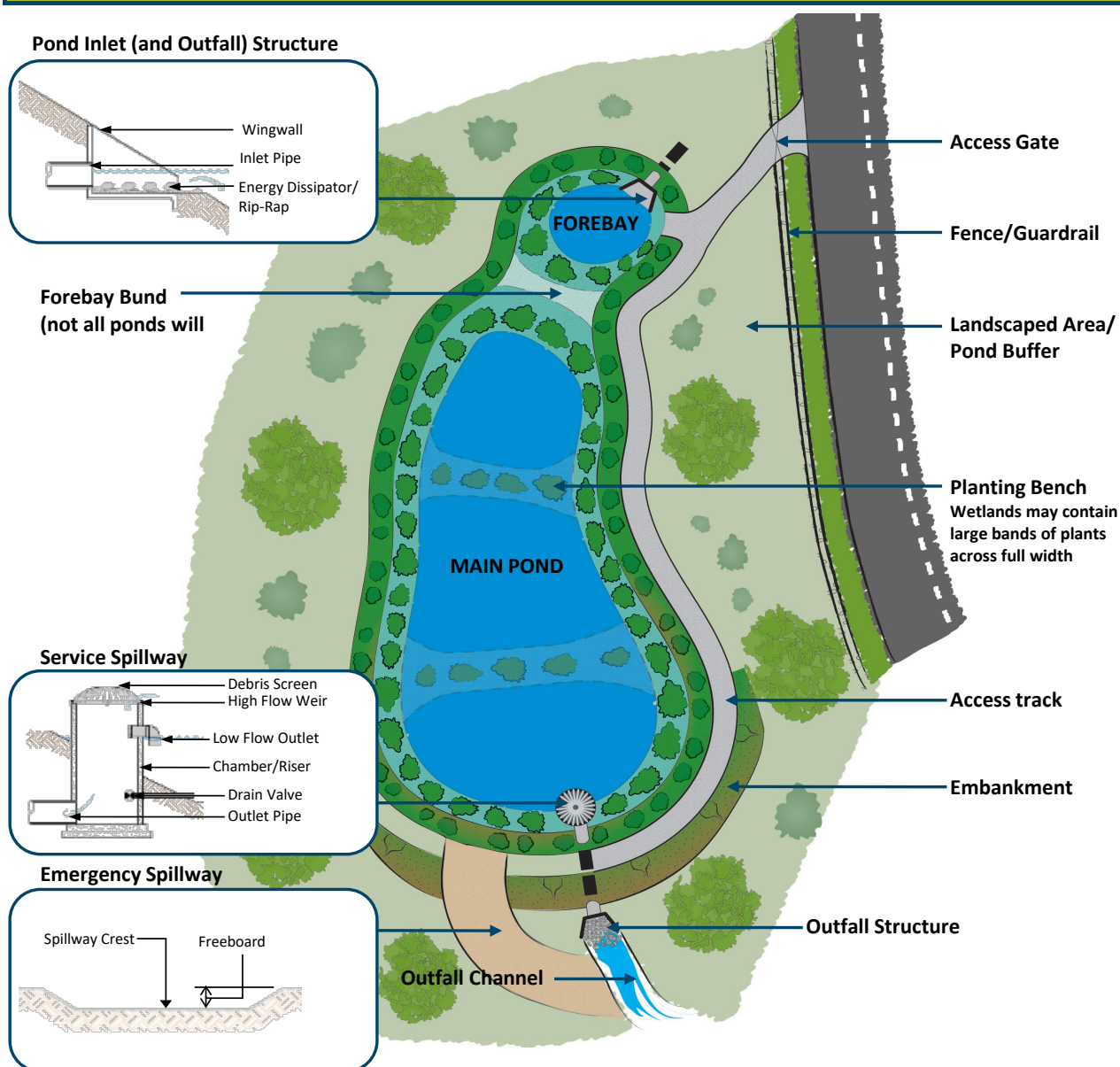
STORMWATER MANAGEMENT DEVICE INSPECTION and MONITORING FIELD GUIDE for PONDS and WETLANDS

The configuration shown in this guide is based on a generic device layout. The actual layout of individual devices may be slightly different from that shown and certain elements may be missing or additional elements included.

PONDS AND WETLANDS | PURPOSE AND FUNCTION

Stormwater treatment ponds and wetlands work by slowing the flow of water to allow pollutants and sediment to settle to the bottom. These pollutants build up at the bottom of the forebay and main pond. The forebay is located at the inlet end of the pond and traps the most sediment and other rubbish. For the pond to work properly the forebay, inlets and outlets must be kept clear.

In the case of wetlands, pond planting and vegetation also help to remove dissolved metals and nutrients. These plants need to be kept healthy to make sure they provide the intended water quality outcomes.



PONDS AND WETLANDS | WHAT TO LOOK FOR

STORMWATER MANAGEMENT DEVICE INSPECTION and MONITORING FIELD GUIDE for PONDS and WETLANDS

The configuration shown in this guide is based on a generic device layout. The actual layout of individual devices may be slightly different from that shown and certain elements may be missing or additional elements included.

When inspecting ponds and wetlands, the first thing to look for is rubbish and sediment build-up in the pond forebay and main pond. If these areas are blocked or filled in the pond will not treat stormwater properly.

The second thing to look for is blocked or damaged inlets and outlets (inlet structure, service spillway (especially the low flow outlet) and emergency spillway). If these are blocked or damaged, the pond could flood and water could flow across the roads and properties around the pond, causing safety hazards and damage.

