



12 Month Review to 30 June 2015

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WATER

What we want to achieve

Water Quality

Level of Service - Maintain or improve water quality																																	
<p>Measure 1 Water quality limits for surface and groundwater have been set in Schedule 15 of the Regional Plan: Water (Plan Change 6A). Contaminants measured are:</p> <table border="0"> <tr> <td style="vertical-align: top;"> <p>Rivers</p> <ul style="list-style-type: none"> • Nitrite-nitrate nitrogen • Dissolved reactive phosphorous • Ammoniacal nitrogen • Ecoli • Turbidity </td> <td style="vertical-align: top; padding-left: 20px;"> <p>Lakes</p> <ul style="list-style-type: none"> • Total nitrogen • Total phosphorous • Ammoniacal nitrogen • Ecoli • Turbidity </td> </tr> </table>		<p>Rivers</p> <ul style="list-style-type: none"> • Nitrite-nitrate nitrogen • Dissolved reactive phosphorous • Ammoniacal nitrogen • Ecoli • Turbidity 	<p>Lakes</p> <ul style="list-style-type: none"> • Total nitrogen • Total phosphorous • Ammoniacal nitrogen • Ecoli • Turbidity 																														
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Target Measures of Success	Actual Measure at 30 June 2015																																
All monitoring to be compliant with Schedule 15 of the Regional Plan: Water.	<p>The results of samples taken for 78 State of the Environment sites measuring the 5 contaminant levels for each site are shown below:</p> <table border="0" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th style="text-align: center;">2010-15</th> <th style="text-align: center;">2009-14</th> <th style="text-align: center;">2008-13</th> </tr> </thead> <tbody> <tr> <td>All comply</td> <td style="text-align: center;">24</td> <td style="text-align: center;">18</td> <td style="text-align: center;">20</td> </tr> <tr> <td>4 out of 5 levels comply</td> <td style="text-align: center;">21</td> <td style="text-align: center;">18</td> <td style="text-align: center;">19</td> </tr> <tr> <td>3 out of 5 levels comply</td> <td style="text-align: center;">13</td> <td style="text-align: center;">9</td> <td style="text-align: center;">9</td> </tr> <tr> <td>2 out of 5 levels comply</td> <td style="text-align: center;">11</td> <td style="text-align: center;">6</td> <td style="text-align: center;">7</td> </tr> <tr> <td>1 out of 5 levels comply</td> <td style="text-align: center;">8</td> <td style="text-align: center;">7</td> <td style="text-align: center;">3</td> </tr> <tr> <td>None met</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Total</td> <td style="text-align: center;">78</td> <td style="text-align: center;">59</td> <td style="text-align: center;">58</td> </tr> </tbody> </table> <p>Most of the sites with excellent water quality are in Central Otago and the upper Clutha, where land use tends to be low intensity farming and/or is dominated by tussock lands. Poorer water quality is found in river catchments with higher intensity farming or in streams draining urban environments.</p>		2010-15	2009-14	2008-13	All comply	24	18	20	4 out of 5 levels comply	21	18	19	3 out of 5 levels comply	13	9	9	2 out of 5 levels comply	11	6	7	1 out of 5 levels comply	8	7	3	None met	1	1	0	Total	78	59	58
	2010-15	2009-14	2008-13																														
All comply	24	18	20																														
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None met	1	1	0																														
Total	78	59	58																														

Activities planned to achieve the level of service for water quality

Activities	Achievement to 30 June 2015
<p>Implementation of Regional Plan: Water – Plan Change 6A Water Quality</p> <p>1. Report on the existing land use and water quality of Otago at a regional</p>	<p>Trends of current water quality continue to be worked on. 500 water quality samples were taken from around</p>

<p>scale for future comparison to measure the effectiveness of Plan Change 6A and develop a monitoring programme that will track progress made in implementing the plan change.</p>	<p>the region to assist establishing baseline water quality results. Work on mapping layers for land use types is also in progress.</p>
<p>2. Undertake region-wide promotion and education about Plan Change 6A to ensure that all landholders, consultants and agricultural industry representatives have a good understanding of the plan change and how to meet it.</p>	<p>Initiatives undertaken to date include:</p> <ul style="list-style-type: none"> • 420 farm visits were undertaken during the year. • Nine drop-in sessions held across Otago were attended by 200 farmers. • Fact packs were provided to 1,898 properties throughout Otago. • Staff attended a Beef and Lamb field day, a Landcare Kakanui Community Catchment meeting, and visited an Invermay Deer focus farm. • A survey was completed to gather data on farmer's knowledge of water quality in relation to 6A. The survey showed that 78% of farmers were aware of the new water quality rules.
<p>3. Undertake focused communication and extension activities in both high risk catchments with poor water quality and those catchments highly vulnerable to degradation of good water quality to poor water quality. Extension activities will focus on ensuring prohibited activities are not undertaken, meeting permitted activity rules, and best practice for improving water quality, on topics including land use activities and management practices, climate, soil types and topography.</p>	<p>Approximately 150 people were spoken to at events about water quality.</p> <p>An external Overseer group meeting was held with representatives from the deer industry and are part of a 5 year focus group which has been established.</p> <p>Resource material was developed (fact packs) and distributed to landholders in high risk catchments, along with drop in centres for landholders, to discuss water quality matters.</p> <p>Support was provided to Landcare NZ for work done in the Pomahaka area.</p>
<p>4. Identify tools and develop techniques to enable landowners to measure water quality.</p>	<p>Work is ongoing with AgHub to develop tools to assist landowners. One monitor farm has been established with work on another two properties underway. This work will establish whether the methodology can be used by farmers to measure water quality.</p>
<p>5. In co-operation with dairy companies in Otago, visit all farms planning a dairy conversion to assist knowledge of land compliance with the Regional Plan: Water requirements.</p>	<p>There were a total of eight dairy farm conversions for the year, compared to 10 in 2013/14. All were visited.</p>
<p>6. Liaise with the forestry industry and forestry landowners to identify key water quality issues and identify and encourage implementation of best practice. Liaison will include:</p>	<ul style="list-style-type: none"> • A forestry forum was held in February with 55 people attending, including Otago forestry companies such as Rayonier and Wenita. • A liaison group has been established, and a working group has been set up to help forestry companies

<ul style="list-style-type: none"> • Holding a forestry forum. • Setting up a liaison group. • Attending/holding at least four farm forestry field days. • Visiting all forestry companies in Otago. 	<p>with the consent process for discharges.</p> <ul style="list-style-type: none"> • Staff attended three field days and discussed plan change 6A. A fourth field day is being developed in conjunction with the forestry industry and will be held in the next financial year. • A total of three out of six forestry companies were visited during the year.
<p>7. Monitor water quality and stream health changes as a result of forestry harvesting, and report results. Work with the forestry industry to improve mitigation measures to protect water quality.</p>	<p>Equipment is in place and monitoring is on-going. Harvesting is schedule to continue until the end of 2016, after which reporting will take place.</p>
<p>8. Investigate the benefits that constructed wetlands may have to improving water quality discharging from open and tile drains.</p>	<p>This activity has not been undertaken as a decision was made to not provide for this long term work in the 2015-25 Long Term Plan.</p>
<p>9. Carry out investigations and report on water quality in the Lindis and Cardrona catchments.</p>	<p>The Lindis report has been completed. The report shows water quality in the Lindis catchment is very good except at sites in the lower catchment where low flows and groundwater inputs have resulted in reduced water quality.</p> <p>The Cardona report is 40% complete with sampling continuing until the end of September 2015. Reporting will be done in 2015/16.</p>
<p>10. Establish monitor farms to measure compliance with Plan Change 6A, identify practices that protect and enhance water quality, and share the results with the community.</p>	<p>Equipment has been installed in one location with monitoring ongoing. Analysis and reporting will be completed in 2015/16.</p>
<p>11. Model Kakanui groundwater surface water interaction, including the effects of abstraction on nitrate concentrations in the lower Kakanui. Monitor and report on the health of the Kakanui estuary.</p>	<p>A proposal has been received from Lincoln Agritech to undertake modelling, however this work is on hold pending bore installation in the Kauru-Gemmels basin. Monitoring is underway for the Five Forks and Kauru sub-basins.</p>
<p>12. Carry out an investigation into nitrate loss in the Queenstown Lakes area to validate the Overseer model in high rainfall environments.</p>	<p>Monitoring equipment is in place and the project is progressing well with six drainage events sampled to date. This project is expected to run through 2015/16.</p>
<p>13. Undertake audits of Prohibited and Permitted Activities relating to:</p> <ul style="list-style-type: none"> • Commercial and farm forestry 	<p>Two farm forestry inspections are being carried out. Liaison with Blakey Pacific on a joint monitoring operation is underway in North Otago and liaison and joint inspections with Wenita in South Otago are</p>

<p>operations.</p> <ul style="list-style-type: none"> • Mechanical disturbance of waterways by aerial surveillance and follow-up with ground-based inspections. • Land disturbance activities by aerial surveillance and follow-up with ground-based inspections. • Aerial surveillance of any potential stock pugging of waterways in Otago and follow-up with ground-based inspections. 	<p>occurring.</p> <p>No work has been completed in this period for any aerial surveillance of mechanical disturbance of waterways, land disturbance activities or potential stock pugging of waterways. This work was delayed due to the work undertaken instead of delivering fact packs to landholders across Otago, and dealing with the drought. The work is now scheduled to be undertaken in July 2015.</p>
<p>Water Quality Monitoring – State of the Environment</p> <p>14. Undertake State of the Environment monitoring of surface and groundwater quality, and prepare report cards.</p>	<p>A full calendar year has been monitored and will be reported on by end of August 2015.</p>
<p>15. Undertake water quality monitoring for marine and freshwater sites, and report for contact recreational purposes.</p>	<p>A report card presenting the results of the annual contact recreational monitoring was published on the ORC website in March. The results showed that all sampling sites were suitable for swimming, at the time of sampling. This applied to coastal, inland lakes and rivers.</p>

Water Quantity

Level of Service - Ensure water is managed to meet Otago’s environmental, social, cultural and economic needs.	
Measure 1 Sustainable environmental flows and allocation limits set on rivers and streams to protect their environmental, economic, social and cultural values.	
Target Measures of Success	Actual Measure at 30 June 2015
No violation of minimum flows due to abstraction at any minimum flow site as set out in the Regional Plan: Water.	Five violations involving two consented activities at Waipiata occurred during the 12 month period. These both related to drought conditions and appropriate action was taken. <i>(2013/14 & 2012/13: Nil)</i>
No violation of groundwater or lake minimum levels and allocation limits due to abstraction at any minimum level site as set out in the Regional Plan: Water.	There were no violations of groundwater abstraction levels during the period. <i>(2013/14 & 2012/13: Nil)</i>

Activities planned to achieve the level of service for water quantity

Activities	Achievement to 30 June 2015
<p><i>Policy Development – Regional Plan: Water</i></p> <p>1. Complete hearings and release decisions of proposed plan changes on flow/level and allocation regimes for the Waikouaiti River, Waiwera River, Pomahaka River and aquifer, and Bengar Burn and Ettrick aquifers by 30 September 2014.</p>	<p><i>Waikouaiti River</i> - three community workshops were held during the year. Further technical work on the estuary is planned for 2015/16 with a plan change to be notified in 2016/17.</p> <p><i>Waiwera River</i> – the plan change was notified in November 2014. A hearing was held in April. Recommendations are going to Council in July.</p> <p><i>Pomahaka</i> – this plan change became operative on 1 May 2015.</p> <p><i>Bengar Burn and Ettrick aquifers</i> – these plan changes have been deferred until 2016/17 as further science work is required. Two community workshops have been held to date.</p>
<p>2. Complete hearings and release decisions of proposed plan changes on flow/level and allocation regimes for the Cardrona River and aquifers by 31 December 2014, and the Lindis River and aquifers by 31 March 2015.</p>	<p><i>Lindis River and aquifers</i> – The proposed plan change will be notified in August 2015, the delay resulting from a request by the community for the notification be placed on hold.</p> <p><i>Cardrona</i> – this has been deferred to 2015/16.</p>
<p>3. Complete hearings and release decisions of proposed plan changes for groundwater management, clarification of supplementary allocation, and the location of use of taken water by 30 September 2014.</p>	<p>Plan Change 4B is to be made Operative on 1 September 2015. Clarification of supplementary allocation is now to be done by individual plan changes for each river/aquifer. The location of use of taken water is no longer required as consent conditions are addressing this issue.</p>
<p>4. Release consultation drafts of proposed plan changes for allocation regimes for the Hawea Basin aquifer, Papakaio Aquifer, Cromwell Terrace aquifer, Dunstan Flats aquifer and Earnsclough aquifer by 31 August 2014, notify the proposed plan changes by 30 November 2014, and release decisions by 30 April 2015.</p>	<p><i>Hawea Basin aquifer</i> - has been deferred due to more technical science work being required.</p> <p><i>Papakaio aquifer</i> – this is no longer a priority and has been deferred in the 2015-25 Long Term Plan.</p> <p><i>Cromwell Terrace Aquifer</i> - mediated agreement is going to council, and the plan change is expected to become operative on 1 September 2015.</p> <p><i>Dunstan and Earnsclough aquifers</i> - both plan changes have been deferred to 2015/16.</p>
<p>5. Release the consultation of a proposed plan change for flow/level and allocation for the Manuherikia catchment and aquifers by 30 June 2015.</p>	<p>This plan change is currently on hold, whilst awaiting progress from the Manuherikia Water Strategy group, as they investigate infrastructure requirements for a water scheme. See also 14 below.</p>

<p>Implementation of Regional Plan: Water – Plan Change 1C Water Quantity</p> <p>6. Liaise with iwi, communities, irrigator groups, irrigation companies and stakeholders to develop community awareness of water use, and options for group formation.</p>	<p>A GIS layer to show permit positions has been developed. Project planning is underway with the Luggate group which is putting in a pre-application for consent. Several meetings have been held with Last Chance Irrigation.</p>
<p>7. Explain regulatory requirements around water allocation and aid the development of protocols for effective water utilisation.</p>	<p>A guide, "Preparing a resource consent application to take surface water, including replacing a deemed permit" has been produced.</p>
<p>8. Actively facilitate options for replacing existing consents and deemed permits (mining privileges) in the following catchments and areas: Arrow, Ettrick, Manuherikia, Upper Taieri, Cardrona/Wanaka Plains, Lowburn/Pisa, Bannockburn and Lindis catchments, Teviot/Roxburgh, Pisa/Queens-berry, and Hawea.</p>	<p>Work on developing the implementation programme has been undertaken, e.g. how to prioritise work. Enquiries are being dealt with as received and meetings with groups are being held.</p>
<p>9. Undertake monitoring programmes for setting residual flows and catchment water management as required in the Pig Burn, Gimmer Burn, and the Pisa Queensberry area.</p>	<p>Equipment has been installed at all sites, and monitoring is ongoing.</p>
<p>10. Carry out investigations and report on groundwater resource management for the Maniototo and Roxburgh aquifers.</p>	<p>Maniototo & Roxburgh- water level and quality surveys have been completed. Report is still to be produced.</p>
<p>11. Undertake and report on catchment studies for minimum flow and allocation limits in the Alpha Burn, 12 Mile Creek, Kaihikiu Stream, Old Man and Obelisk Range.</p>	<p>Alpha Burn – no progress made as property access for monitoring has not been granted.</p> <p>12 Mile Creek - monitoring has been completed, and a report has been published to the ORC website</p> <p>Kaihiku Stream – monitoring has been undertaken and a report is underway.</p> <p>Old Man and Obelisk Ranges - monitoring has been completed. Data is still to be analysed and reported on.</p>
<p>12. Ensure compliance with water measuring regulations and consents and report on outcomes.</p>	<p>19 out of 815 consents for water takes over 20 litres per second have not installed equipment. These consent holders were issued with abatement notices prohibiting the taking of water. 28 out of 111 consents for takes between 10 and 20 litres per second are yet to advise council of the installation of their equipment. These consents holders will be issued with a final warning.</p>

13. Provide support to existing water user groups and advice to water users outside the mining privilege catchments on Plan Change 1C provisions.	Assistance is being given when requested.
14. Provide technical and funding support for community led investigations of infrastructure requirements for bulk rural water.	Funding support continued to be provided to the Manuherikia group for feasibility studies in relation to an irrigation scheme.
<p>Water Quantity Monitoring – State of the Environment</p> <p>15. Undertake surface water quantity and groundwater quantity State of the Environment monitoring, at selected sites, and prepare report cards.</p>	<p>Water quality - a full calendar year has been monitored and will be reported by the end of August 2015.</p> <p>Water quantity - a full irrigation season has been monitored. Reporting is planned to be completed by the end of August 2015.</p>

Estimated and Actual Costs

Project	Actual to 30 June \$000s	Estimated to 30 June 2015 \$000s	Variance () = Unfavourable
Regional Plan Water	757	863	106
Water Quality & Quantity SOE	2,255	1,750	(505)
Implementation of RP:6A	2,107	1,394	(713)
Implementation of RP:1C	564	1,180	616
Total	5,683	5,187	(496)

Estimated and Actual Revenue

Project	Actual to 30 June \$000s	Estimated to 30 June 2015 \$000s	Variance () = Unfavourable
Water Quality & Quantity SOE	613	467	146
Implementation of RP: 6A	50	0	50
Total	663	467	196

AIR QUALITY

What we want to achieve

Level of Service – Improve air quality.	
Measure 1 PM ₁₀ micrograms per cubic metre in a 24 hour period.	
Target Measure of Success	Actual Measure at 30 June 2015
No more than one reading of PM ₁₀ per annum (winter months) in all Air Zones in Otago, to be higher than 50 micrograms per cubic metre.	For the winter of 2014, the breaches and highest readings in all Air Zones in Otago were as follows:
	2014
	Target Reading No. Days Over Highest Reading
	Alexandra 50 51 106
	Arrowtown 50 48 148
	Balclutha 50 4 55
	Clyde 50 20 84
	Cromwell 50 47 112
	Dunedin 50 0 40
	Milton 50 14 132
	Mosgiel 50 7 108
	Palmerston 50 0 49
	2013
Target Reading No. Days Over Highest Reading	
Alexandra 50 47 130	
Arrowtown 50 17 77	
Balclutha 50 4 88	
Clyde 50 10 66	
Cromwell 50 33 107	
Dunedin 50 0 46	
Milton 50 44 139	
Mosgiel 50 5 62	
2012	
Target Reading No. Days Over Highest Reading	
Alexandra 68 8 93	
Arrowtown 68 7 147	
Balclutha 50 13 75	
Clyde 54 5 65	
Cromwell 60 11 91	
Dunedin 50 1 71	
Lawrence 50 2 68	
Milton 51 26 144	
Air quality is impacted each year by variable climatic conditions, and emissions to air. Long term trends are	

	needed to determine the success of Council's initiatives and policies for improving air quality.
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Activities planned to achieve the level of service for air quality

Activities	Achievement to 30 June 2015
<p><i>Policy Development – Regional Plan: Air</i></p> <p>1. Notify a plan change which updates the National Environmental Standard for Air Quality requirements relating to airshed compliance, reclassifies Milton and Lawrence, and addresses additional sources impacting urban air quality by 30 September 2014. Release the decision by 31 March 2015.</p>	<p>This has now been deferred to 2021. A decision was made during the preparation of the 2015-25 LTP, that Council would produce an Otago Air Strategy before making these plan changes. Work on the strategy is scheduled to commence in 2015/16.</p>
<p><i>Implementation</i></p> <p>2. Review and update the Air Strategy, taking account of air quality monitoring results from the winter of 2014, by November 2014.</p>	<p>The development of an Air Strategy for Otago in the 2015/16 year has replaced the need for this target.</p>
<p>3. Produce at least two fact sheets on Regional Plan: Air requirements, for example, good practice when using wood as a heating product, compliant burners etc.</p>	<p>Two fact sheets were produced - one for Outdoor Burning and one for Using Your Woodburner.</p>
<p>4. Work with community groups in Alexandra, Cromwell and Milton, to encourage community responsibility for finding solutions to local air quality issues.</p>	<p>This activity has been deferred due to the upcoming development of an Air Strategy for Otago.</p>
<p>5. Coordinate the replacement of approved clean heating appliances in 160 homes in Airzone 1 and Milton.</p>	<p>76 Clean Heat Clean Air subsidies were provided for during the year. This scheme is being operated without the support of an insulation package. The incentive may not be sufficient to encourage remaining home owners to change.</p>
<p>6. Run up to three expos on clean heating appliances in Airzone 1 and Milton.</p>	<p>A Cosy Homes expo was held in Alexandra on 16 May 2015.</p>
<p>7. Undertake enforcement action in line with the provisions of the air strategy.</p>	<p>The current internal air strategy does not provide guidance for enforcement. All complaints were responded to as received.</p>

<p>Monitoring</p> <p>8. Continuously measure PM₁₀ at sites in Dunedin, Mosgiel and Alexandra.</p>	<p>Measuring has been continuous, with all sites operational.</p>
<p>9. During the winter months, continuously measure PM₁₀ at sites in Arrowtown, Palmerston, Clyde, Cromwell, Milton and Balclutha. If necessary, amend the monitoring programme as a result of studies undertaken in 2013/14.</p>	<p>All sites have been operational since 1 April 2015.</p>
<p>Reporting</p> <p>10. Report on winter results of air quality and progress made towards meeting the NES for air quality by 30 November 2014.</p>	<p>Winter air quality results were reported to the October meeting of the Technical Committee. See Measure 1 above for a summary of the results.</p>
<p>11. Report air quality measurements:</p> <p>a) As collected on Council's website;</p> <p>b) In weekly summary reports;</p> <p>c) By weekly public notices of breaches of the AQNES; and</p> <p>d) Publishing an annual report card on the state and trends in air quality at the measurement sites by 1 December.</p>	<p>Reporting undertaken as follows:</p> <ul style="list-style-type: none"> • All data was reported on the Council's website. • Weekly reports were produced and distributed. • Monthly public notices of all breaches were published. • An annual report card was completed and published to the website.
<p>12. Undertake and report studies that define the winter spatial distribution of particulate air quality in Cromwell and Alexandra, by 30 April 2015.</p>	<p>A report on the results of spatial studies in Cromwell and Clyde was presented to the April committee. This study concluded that Alexandra and Cromwell PM10 monitors are located appropriately.</p>
<p>13. Produce a State of the Environment air quality report tracking changes and trend over the last five years, by May 2015.</p>	<p>A report has been completed presenting the results of SoE air quality monitoring for 2005-2014 and will be presented to the July committee.</p>

Estimated and Actual Costs

Project	Actual to 30 June \$000s	Estimated to 30 June 2015 \$000s	Variance () = Unfavourable
Ambient Air Quality Monitoring Reporting	273	308	35
Clean Air Initiative	160	327	167
Regional Plan: Air	7	49	42
Air Strategy Implementation	25	69	44
Total	465	753	288

Estimated and Actual Revenue

Project	Actual to 30 June \$000s	Estimated to 30 June 2015 \$000s	Variance () = Unfavourable
Clean Air Initiative	1	50	(49)
Total	1	50	(49)

LAND

What we want to achieve

Pest Animals and Plants

Level of Service – Require control of pest animals and pest plants																																														
Measure 1 Level of rabbit populations in rabbit prone areas.																																														
Target Measure of Success	Actual Measure at 30 June 2015																																													
All properties inspected have either rabbit numbers under MAL3 or have property management plans in place to achieve MAL3.	175 properties were inspected for compliance. 74 were found to be compliant. The 101 properties found to be non-compliant have been asked to prepare rabbit management plans. 62 plans have been received, 17 are in progress, and 22 are overdue. These are being followed up. In total, 312 property management plans are in place.																																													
Measure 2 Levels of pest plants found at known sites throughout Otago.																																														
Target Measure of Success	Actual Measure at 30 June 2015																																													
80% of properties inspected have eradicated and/or controlled the pest plant infestations through control works undertaken by the land occupier.	<p>Work undertaken during the year included the following:</p> <p>Old Man’s Beard:</p> <table border="1"> <thead> <tr> <th></th> <th>2014/15</th> <th>2013/14</th> </tr> </thead> <tbody> <tr> <td>Inspections</td> <td>499</td> <td>125</td> </tr> <tr> <td>Compliant</td> <td>230 (46%)</td> <td>37 (30%)</td> </tr> <tr> <td>Non compliant minor</td> <td>237 (47%)</td> <td>68 (54%)</td> </tr> <tr> <td>Non compliant major</td> <td>32 (7%)</td> <td>20 (16%)</td> </tr> </tbody> </table> <p>Bomerea:</p> <table border="1"> <thead> <tr> <th></th> <th>2014/15</th> <th>2013/14</th> </tr> </thead> <tbody> <tr> <td>Inspections</td> <td>153</td> <td>338</td> </tr> <tr> <td>Compliant</td> <td>27 (18%)</td> <td>251 (74%)</td> </tr> <tr> <td>Non compliant minor</td> <td>121 (79%)</td> <td>86 (25%)</td> </tr> <tr> <td>Non compliant major</td> <td>5 (3%)</td> <td>1 (1%)</td> </tr> </tbody> </table> <p>Boneseed</p> <table border="1"> <thead> <tr> <th></th> <th>2014/15</th> <th>2013/14</th> </tr> </thead> <tbody> <tr> <td>Inspections</td> <td>36</td> <td>22</td> </tr> <tr> <td>Compliant</td> <td>22 (61%)</td> <td>13 (60%)</td> </tr> <tr> <td>Non compliant minor</td> <td>13 (36%)</td> <td>5 (36%)</td> </tr> <tr> <td>Non compliant major</td> <td>1 (3%)</td> <td>1 (4%)</td> </tr> </tbody> </table> <p>All non-compliance has been followed up.</p>		2014/15	2013/14	Inspections	499	125	Compliant	230 (46%)	37 (30%)	Non compliant minor	237 (47%)	68 (54%)	Non compliant major	32 (7%)	20 (16%)		2014/15	2013/14	Inspections	153	338	Compliant	27 (18%)	251 (74%)	Non compliant minor	121 (79%)	86 (25%)	Non compliant major	5 (3%)	1 (1%)		2014/15	2013/14	Inspections	36	22	Compliant	22 (61%)	13 (60%)	Non compliant minor	13 (36%)	5 (36%)	Non compliant major	1 (3%)	1 (4%)
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	2014/15	2013/14																																												
Inspections	36	22																																												
Compliant	22 (61%)	13 (60%)																																												
Non compliant minor	13 (36%)	5 (36%)																																												
Non compliant major	1 (3%)	1 (4%)																																												

Activities planned to achieve the level of service for pest animals and plants

Activities	Achievement to 30 June 2015																				
<p><i>Policy Development – Pest Management Plan</i></p> <p>1. Prepare a South Island Pest Management Plan in conjunction with other councils in the South Island.</p>	<p>The top 20 pests across the South Island have been identified and cost benefit analysis is to be completed for these. A draft plan template has been developed nationally. A national policy direction is still to come.</p>																				
<p><i>Implementation</i></p> <p>2. Respond to complaints about pest animals and total control pest plants within 10 working days. Where necessary, require control plans for pest animals to be developed within 30 working days of response, or as defined by Council policies, and for pest plants, require control works to be undertaken by the land occupier.</p>	<p>Complaints received were responded to within 10 working days as follows:</p> <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th style="text-align: center;">2014/15</th> <th style="text-align: center;">2013/14</th> <th style="text-align: center;">2012/13</th> </tr> </thead> <tbody> <tr> <td>Pest Plants</td> <td style="text-align: center;">48</td> <td style="text-align: center;">69</td> <td style="text-align: center;">74</td> </tr> <tr> <td>Rabbits</td> <td style="text-align: center;">7</td> <td style="text-align: center;">13</td> <td style="text-align: center;">9</td> </tr> <tr> <td>Wallabies</td> <td style="text-align: center;">1</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Total</td> <td style="text-align: center;">56</td> <td style="text-align: center;">82</td> <td style="text-align: center;">83</td> </tr> </tbody> </table>		2014/15	2013/14	2012/13	Pest Plants	48	69	74	Rabbits	7	13	9	Wallabies	1	0	0	Total	56	82	83
	2014/15	2013/14	2012/13																		
Pest Plants	48	69	74																		
Rabbits	7	13	9																		
Wallabies	1	0	0																		
Total	56	82	83																		
<p>3. Promote public awareness through field days, in conjunction with other activities, and publications, encouraging landholders/-community groups to identify the presence of pest plants, to advocate fresh water pest control, and to identify the presence of pest animals.</p>	<p>Two rabbit field days were held where staff from other councils and government departments were trained in rabbit monitoring techniques.</p> <p>Two nassella tussock field days were held, one in Cardrona and one in the Roxburgh area.</p> <p>An Education Strategy is currently being worked on.</p>																				
<p>4. Monitor, collect, redistribute and report on the establishment, spread and persistence of biological plant control agents in Otago.</p>	<p>Biological plant control work has not been undertaken, as it is not intended to continue with this work.</p>																				
<p>5. Undertake enforcement action where there is failure by land occupiers to meet their obligations under the Regional Pest Management Plan.</p>	<p>Ten notices of directions were issued to land occupiers during the year in respect of Old Man’s Beard.</p> <p><i>(2013/14: 2 notices of direction issued; 2012/13: 2 prosecutions were authorised).</i></p>																				
<p><i>Monitoring</i></p> <p>6. Inspect five known nurseries for any potential sale of plants identified in the national pest plant accord list of banned plant species.</p>	<p>No work was undertaken this period.</p>																				
<p>7. Undertake inspection works as follows:</p> <ul style="list-style-type: none"> • All known properties that have, and have previously had, infestation of plants that 	<p>See Measure 2 above re Old Man’s Beard. Other inspections include:</p>																				

<p>are identified for eradication in the Regional Pest Management Plan.</p> <ul style="list-style-type: none"> • All known properties where low incident plants have been identified in the Regional Pest Management Plan • Plants which may present a high risk of unwanted spread throughout Otago. • Rabbit and rook populations in Otago. 	<p>Contorta Pine inspections: 14 properties were inspected in Central Otago, specifically looking at control and removal.</p> <p>Nasella inspections: Three inspections were completed in the Cardrona Valley. Three field days were held in Roxburgh and 294 plants were found on farmland and removed.</p> <p>Spartina inspections: Inspections and control work were undertaken at Waikouaiti and Pleasant estuaries.</p> <p>See Measure 2 above re Boneseed and Bomerea</p> <p>Three plants were identified - Banana Passionfruit, Darwins Barbury and Chilean Flame Creeper – inspections of these are in progress.</p> <p>All rookeries and rook sites were inspected between October and November 2014. The latest count of rooks is mid 50's. See 9 below for rabbit inspections.</p>
<p>8. Undertake RHD biannual sampling to determine the effectiveness of RHD as a biocontrol tool on rabbits.</p>	<p>Rabbit serum samples were collected from the monitor sites. Sampling showed continuing high RHD immunity levels, with an average of 62% immunity over a range of 21% to 87% immunity.</p>
<p>Reporting</p> <p>9. Report on rabbit and rook populations in Otago, and report on areas of risk including MAL being exceeded.</p>	<p>Rabbit inspections are underway with the focus on properties that currently have control plans in place. A steady increase in the rabbit population has been identified over the year. Rook numbers are slowly reducing.</p>
<p>10. Provide to Council an annual compliance report for the previous year by 31 October on the effectiveness of implementing the Regional Pest Management Plan.</p>	<p>Six weekly reports to committees were prepared during the year in place of one annual report. Reports are available on Council's web site.</p>

Biodiversity

Activities planned to achieve the level of service for biodiversity

Activities	Achievement to 30 June 2015
<p>1. Undertake a review of the biodiversity activities undertaken by Council.</p>	<p>A draft report on the biodiversity activities of Council has been completed and is currently being reviewed.</p>

2. Undertake monitoring and report on the state of Otago's regionally significant wetlands.	Monitoring has been completed for the year. Refinement of the wetlands project is currently underway with a 'risk ranking' model being developed. This work will be looked at as part of the development of a Biodiversity Strategy for Otago.
3. Administer the Honda Tree Fund for Otago.	18 applications were received and processed during the year.
4. Prepare a wilding tree discussion paper for Council.	A discussion paper that included funding options was presented at a council workshop. Further reports have been developed to discuss aligning the Otago Pest Management Plan with the national non regulatory wilding strategy. Further work is to be done and this is planned for in the LTP.
5. Assist community groups where appropriate with information and field day support on biodiversity topics.	Assistance was given at an East Otago biodiversity group meeting.

Estimated and Actual Costs

Project	Actual to 30 June \$000s	Estimated to 30 June 2015 \$000s	Variance () = Unfavourable
Biodiversity	44	138	94
Pest Mgt Strategy Implementation	724	732	8
Biological Control of Pests	45	77	32
Regional Services Contracts	1,004	1,536	532
South Island PMS	1	31	30
Total	1,818	2,514	696

Estimated and Actual Revenue

Project	Actual to 30 June \$000s	Estimated to 30 June 2015 \$000s	Variance () = Unfavourable
Pest Mgt Strategy Implementation	0	80	(80)
Regional Services Contracts	888	1,700	(812)
Total	888	1,780	(892)

REGULATORY

What we achieved to 30 June 2015

Resource Consents

Level of Service – Process resource consent applications and Certificates of Compliance for discharges to air, land and water; for the use of water, disturbance of land, lake or riverbeds and for coastal activities, in a timely manner.	
Measure 1 Process applications in compliance with statutory procedures and timeframes set out in the Resource Management Act.	
Target Measure of Success	Actual Measure at 30 June 2015
Process 100% of consent applications within the statutory timeframes.	Council received the following: <ul style="list-style-type: none"> • 388 consent applications, of which 13 were rejected, • 42 variations, • 34 water reporting variations, of which four were rejected, • 146 transfers, • 3 certificates of compliance, • 38 WEX's, and • 2 s417 application. Consent decisions were given on 354 consent applications, 62 variations and 31 water reporting variations. 158 transfers were completed, three certificates of compliance, 31 WEX's granted and nine S417 certificates issued. All applications were processed within the statutory time frames.
Meet and maintain audit requirements of Verification New Zealand (ISO accreditation).	An ISO audit was completed in December 2014 and passed with no actions being identified.
Measure 2 Annual customer satisfaction survey.	
Target Measure of Success	Actual Measure at 30 June 2015
Achieve at least 80% satisfaction over areas controlled by Consents.	A satisfaction survey was not undertaken this year, but will be done on a biannual basis in accordance with the ISO 4000 requirements. The next survey is due 2015/16.

Activities planned to achieve the level of service for resource consents

Activities	Achievement to 30 June 2015
<p><i>Resource consent processing</i></p> <p>1. Process 100% of consent applications, surrenders, transfers, lapsing, cancellations, S417 certificates and expiries in accordance with the Council's Consents Procedure Manual and the Resource Management Act 1991.</p>	<p>All applications were processed in accordance with the council's consents procedure manual and the RMA. Checklists are in place to ensure compliance.</p>
<p><i>Reviews of consents</i></p> <p>2. Where necessary, review consents within two months of an air quality standard being set.</p>	<p>No work required as no new plan changes were made setting new air quality standards.</p>
<p>3. Where necessary, review consents for a catchment, sub-catchment or an aquifer within two months of a minimum flow being operational.</p>	<p>A review of the Wainakarua catchment was completed. The Waitahuna catchment is currently underway, and the Pomahaka is still to commence.</p>
<p>4. Analyse compliance reports for water takes in over-allocated catchments. Begin a review of consents where water used is less than the amount consented.</p>	<p>Regulations require that data is to be provided by 31 July. Current analysis of data is due for completion during 2015/16.</p>

Compliance Monitoring

Level of Service – Ensure consent conditions for the use of Otago's air, water and coastal resources are complied with.			
Measure 1			
Performance monitoring (self-monitoring) returns on consents requiring self-monitoring to show compliance with consent conditions.			
Target Measure of Success	Actual Measure at 30 June 2015		
100% of performance monitoring returns to show compliance with consent conditions (non-compliance measure is in respect of grade 4 and 5 non-compliance only).	Performance monitoring data processed during the period was as follows:		
	2014/15	2013/14	2012/13
	Data processed	3,563	4,146
	Compliant	3,415 (96%)	3,899 (94%)
	Non compliant	148 (4%)	247 (6%)
		3,416	3,070 (90%)
		346 (10%)	

Measure 2																	
Audits of consents of all high risk sites to show compliance with consent conditions.																	
Target Measure of Success	Actual Measure at 30 June 2015																
90% or more of audits of consent conditions show compliance with consent conditions (non-compliance measure is in respect of grade 4 and 5 non-compliance only).	<p>Audits undertaken during the year were as follows:</p> <table border="1"> <thead> <tr> <th></th> <th>2014/15</th> <th>2013/14</th> <th>2012/13</th> </tr> </thead> <tbody> <tr> <td>Data processed</td> <td>414</td> <td>344</td> <td>612</td> </tr> <tr> <td>Compliant</td> <td>324 (78%)</td> <td>272 (79%)</td> <td>416 (68%)</td> </tr> <tr> <td>Non compliant</td> <td>90 (22%)</td> <td>72 (21%)</td> <td>196 (32%)</td> </tr> </tbody> </table>		2014/15	2013/14	2012/13	Data processed	414	344	612	Compliant	324 (78%)	272 (79%)	416 (68%)	Non compliant	90 (22%)	72 (21%)	196 (32%)
	2014/15	2013/14	2012/13														
Data processed	414	344	612														
Compliant	324 (78%)	272 (79%)	416 (68%)														
Non compliant	90 (22%)	72 (21%)	196 (32%)														

Activities planned to achieve the level of service for compliance monitoring

Activities	Achievement to 30 June 2015
<p><i>Monitoring compliance with resource consent conditions</i></p> <p>1. Uphold compliance of resource consents and rules by processing all performance monitoring returns, 90% of which will be processed, including auditing of data quality, within one month of receipt.</p>	3,563 returns (100%) were processed within one month of receipt.
<p>2. Follow-up on the non-return of performance monitoring information and/or with poor data quality with the consent holder within two months of the due date.</p>	1,432 consents with 2,166 performance monitoring conditions remain overdue. There has been an increase in consents being granted with more consents requiring measuring relating to the regulations which is reflected in the increase of consents.
<p>3. Using a risk based approach, undertake audits of minor consented activities relating to:</p> <p>a) 150 audits of minor discharge to land and water consents.</p> <p>b) 35 minor air discharge consents (that have no other consented activity);</p> <p>c) 100% of newly installed water metering installations (consented and water meter regulation requirements);</p> <p>d) 250 of all surface water consented takes;</p> <p>e) 75 of groundwater takes of greater than 10 litres per second;</p> <p>f) Monitor residual flow conditions on</p>	<p>a) 179 minor discharge to land and water consents were audited.</p> <p>b) 63 minor air discharge consents were audited</p> <p>c) 211 (100%) newly installed water metering installations were audited. These are audited when notification of completion is received.</p> <p>d) 119 surface water takes were audited</p> <p>e) 34 ground water takes were audited.</p> <p>f) No monitoring has occurred but a residual flow</p>

<p>surface water takes in critical over-allocated catchments in Otago;</p> <p>g) 100% of operational gravel extractions;</p> <p>h) 30% of all closed landfills in the region.</p>	<p>protocol that defines monitoring during dry weather conditions has been established.</p> <p>g) 7 (100%) operational gravel extraction consents were audited during the year.</p> <p>h) 22 out of 55 (40%) closed landfills were audited during the year.</p>																
<p>4. Undertake audits of the following significant consented activities:</p> <p>a) Oceana Gold-Macraes Mine;</p> <p>b) Alliance Pukeuri;</p> <p>c) Ravensdown;</p> <p>d) PPCS Finegand;</p> <p>e) Fonterra Stirling;</p> <p>f) All active landfills;</p> <p>g) All local authority wastewater treatment facilities;</p> <p>h) 20% of all irrigation companies;</p> <p>i) 30% of all electricity generation companies.</p>	<p>All audit targets were met with the exception of the following:</p> <ul style="list-style-type: none"> • 20 out of 26 (77%) local authority waste water treatment facilities were audited. • Three out of 18 (17%) irrigation companies were audited. 																
<p>Monitoring compliance with permitted activity rules</p> <p>5. Undertake audits of 100% of animal waste collection systems.</p>	<p>100% of dairy farms were inspected and results were as follows:</p> <table border="1"> <thead> <tr> <th></th> <th>2014/15</th> <th>2013/14</th> <th>2012/13</th> </tr> </thead> <tbody> <tr> <td>Inspections</td> <td>465</td> <td>435</td> <td>417</td> </tr> <tr> <td>Compliant</td> <td>417 (90%)</td> <td>407 (94%)</td> <td>382 (92%)</td> </tr> <tr> <td>Non compliant</td> <td>48 (10%)</td> <td>28 (6%)</td> <td>35 (8%)</td> </tr> </tbody> </table>		2014/15	2013/14	2012/13	Inspections	465	435	417	Compliant	417 (90%)	407 (94%)	382 (92%)	Non compliant	48 (10%)	28 (6%)	35 (8%)
	2014/15	2013/14	2012/13														
Inspections	465	435	417														
Compliant	417 (90%)	407 (94%)	382 (92%)														
Non compliant	48 (10%)	28 (6%)	35 (8%)														
<p>6. Undertake and investigate compliance with permitted activity rules for urban stormwater discharges into Lake Dunstan (Cromwell) and the Clutha River/Mata-Au (Alexandra/Clyde).</p>	<p>A draft report is in progress, and results will be available in the next financial year. This report will assist to inform water plan changes for urban water quality.</p>																
<p>7. Complete investigation of compliance with permitted activity rules for urban stormwater discharges into the Silverstream.</p>	<p>A draft report is in progress, and results will be available in the next financial year. This report will assist to inform water plan changes for urban water quality.</p>																
<p>Enforcement</p> <p>8. Investigate and undertake enforcement action on breaches of resource consent conditions and Regional Plan rules.</p>	<p>19 infringement notices were issued during the year for discharging contaminants to land in breach of a regional rule – effluent.</p> <p><i>(2013/14: 21 infringement notices issued; 2012/13: 25</i></p>																

	<p><i>infringement notices issued).</i></p> <p>Six prosecutions were authorised during the period for discharging contaminants to land in breach of a regional rule – effluent.</p> <p><i>(2013/14: 9 prosecutions authorised; 2012/13: 3 prosecutions authorised)</i></p> <p>Two abatement notices were issued, both requiring resource consent holders to cease taking water in breach of water meter regulations.</p> <p><i>(2013/14: 8 abatement notices issued; 2012/13: Nil)</i></p>
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Dam Safety

Level of Service – Manage the risks to people, property and the environment associated with dams.	
Measure	
The number of known dams complying with the registration, classification and certification requirements of the Building Act 2004 and regulations.	
Target Measure of Success	Actual Measure at 30 June 2015
All classifiable and referable dams in Otago, Southland and West Coast are managed by their owners in accordance with the dam safety scheme set out in the Building Act 2004 and the Building (Dam Safety) Regulations 2008.	The regulations were never implemented and were revoked by the government in June 2015.
All dams constructed in Otago after 1 July 1992 comply with the building code (Building Regulations 1992).	Refer to targets 2 below.
All large dams constructed in Southland and West Coast after 1 July 2008 comply with the building code (Building Regulations 1992).	Refer to targets 2 below.

Activities planned to achieve the level of service for dam safety

Activities	Achievement to 30 June 2015
1. Undertake Building Act functions for dams in Otago, Southland and West Coast in accordance with the quality standards and timeframes prescribed in the Act.	During the year five applications for building consent and two dam certificates of acceptance were lodged. Three building consents and one dam certificate of acceptance were granted. Three Code Compliance Certificates were lodged with all three being declined.

2. Investigate dams in Otago likely to be non-compliant with the building code and undertake enforcement action where necessary.	Five Notices to Fix were issued with respect to earth embankment dams in the Otago region. The Notices were issued for building work that did not comply with the New Zealand Building Code, and required that the dams be repaired or removed.
3. Receive Potential Impact Classifications (PICs) for Classifiable Dams, and request and receive PICs for Referable Dams in Otago, Southland and West Coast.	Not Applicable – no regulations in place.
4. Work with owners of dams in Otago to implement Council's policy on Dangerous Dams.	The policy was not operative as the necessary supporting regulations were not promulgated by the government.

Harbour Safety

Level of Service – Safe recreational use and navigation for all users of Otago's harbours.	
Measure Number of harbour incidents.	
Target Measure of Success	Actual Measure at 30 June 2015
No major harbour incidents.	One serious incident occurred during the period, and was investigated by Council and Maritime NZ.

Activities planned to achieve the level of service for harbour safety

Activities	Achievement to 30 June 2015
1. Complete the Port Harbour Safety Code.	Work is in progress, in conjunction with Port Otago Limited.
2. Review and update of the Otago Harbour bylaws.	A first draft of the new bylaw has been completed and is currently being reviewed.

Estimated and Actual Costs

Project	Actual to 30 June 2015 \$000s	Estimated to 30 June 2015 \$000s	Variance () = Unfavourable
Consent Application Processing, reviews & Appeals	1,088	1,362	274
Consent & Regional Plan Compliance Monitoring	1,109	1,253	144
Dam Safety	203	306	103
Harbour Management	156	194	38
Total	2,556	3,115	559

Estimated and Actual Revenue

Project	Actual to 30 June 2015 \$000s	Estimated to 30 June 2015 \$000s	Variance () = Unfavourable
Consent Application Processing, reviews & Appeals	731	1,112	(381)
Consent & Regional Plan Compliance Monitoring	318	513	(195)
Dam Safety	153	232	(79)
Harbour Management	4	0	4
Total	1,206	1,857	(651)

REGIONAL POLICY STATEMENT

What we want to achieve

Policy Development

Level of Service – Develop policy that will achieve effective management of the natural and physical resources of the Otago region.	
Target Measure of Success	Actual Measure at 30 June 2015
Measure of success will be assessed within each of the other activities in the Annual Plan.	Not applicable.

Activities planned to achieve the level of service for policy development

Activities	Achievement to 30 June 2015
1. Release the consultation draft of the Regional Policy Statement review by 15 August 2014.	The consultation draft was released in November 2014.
2. Notify the proposed review of the Regional Policy Statement by 15 December 2014.	The Regional Policy Statement was notified on 23 May 2015.
3. Release Council's decision on the Regional Policy Statement by 30 June 2015.	Submissions close on 25 July 2015. Decisions are now planned to be released in December 2015.

Estimated and Actual Costs

Project	Actual to 30 June 2015 \$000s	Estimated to 30 June 2015 \$000s	Variance () = Unfavourable
Regional Policy Statement	1,181	837	(344)
Strategic Initiatives	61	62	1
Total	1,242	899	(343)

GOVERNANCE & COMMUNITY

What we want to achieve

Public Awareness

Level of Service – Effective, open and transparent democratic Council processes.	
Measure 1 Completion of statutory public accountability processes.	
Target Measure of Success	Actual Measure at 30 June 2015
Completion of statutory planning and reporting documents, (LTP and Annual Report) within statutory requirements.	Target met. The Annual Report and the Long Term Plan were completed within the statutory timeframes and requirements.
Measure 2 All Council meetings conducted in compliance with statutory requirements.	
Target Measure of Success	Actual Measure at 30 June 2015
Public notices to be given for all meetings of Council and Committees, and agendas for all Council and Committee meetings to be made available on the Council's website prior to the meeting.	Ten Council meetings and 37 Committee meetings were held during the year. Public notice was given for all meetings, and agendas were made available on the Council's website prior to all the meetings.

Activities planned to achieve the level of service for public awareness

Activities	Achievement to 30 June 2015
1. Provide regular information to the media about the activities of Council.	63 media releases, 68 public notices on the website and 245 social media releases on both Facebook and Twitter were made during the year about the activities of Council.
2. Make available to the public, environmental and resource management information and Council performance through the production of: <ul style="list-style-type: none"> • Newsletters, pamphlets and info sheets; • Media releases; • Science reports; • Presentations to interest groups; • Web-based information. Information provided to include: <ul style="list-style-type: none"> • Compliance with consents and 	Information produced included the following: <p>Newsletters, pamphlets and info sheets:</p> <ul style="list-style-type: none"> • One issue of Otagowide • Two issues of Waterlines • Three issues of Leaders Brief • A Gypsy Day brochure, • Seven fact sheets completed, • Bus brochures. <p>Media Releases:</p> <ul style="list-style-type: none"> • 63 media releases and 68 public notices were issued.

<p>permitted activity rules;</p> <ul style="list-style-type: none"> • Pollution problems; • Policy and plan information; • Resource consent processes. 	<p>Science reports and summaries:</p> <ul style="list-style-type: none"> • Nine science report and seven natural hazards SOE reports published for the year. <p>Web based information:</p> <ul style="list-style-type: none"> • 376 website updates made (including 245 on Facebook and Twitter). <p>Consents and permitted activity information:</p> <ul style="list-style-type: none"> • Two brochures were produced. <p>Pollution problems:</p> <ul style="list-style-type: none"> • Two brochures were produced. <p>Policy and plan information:</p> <ul style="list-style-type: none"> • Draft and Final Long Term Plan • Regional Policy Statement • Regional Land Transport Plan • Six transport planning reports. <p>Resource consent processes:</p> <ul style="list-style-type: none"> • A full stocktake has been completed and consent forms are being updated in a consistent style.
<p>3. Respond to requests for field days, talks, presentations etc. on Council's activities, plans and policies, for example, school visits, university presentations.</p>	<p>Responses included the following:</p> <ul style="list-style-type: none"> • Waitaki Boys High School and Millars Flat for an exercise in stream monitoring. • Clinton school pupils and parents on water quality, planting trees and invertebrates. • Attending the Ballance Farm Awards in Milton.
<p>4. Review and update the <i>Environmental Considerations</i> booklets.</p>	<p>The Environmental Considerations booklets were replaced by water quality fact sheets.</p>
<p>5. Hold at least two meetings each year with iwi representatives, and attend all Te Rōpū Taiao meetings.</p>	<p>Four meetings with Iwi representatives and two meetings with Te Rōpū Taiao were held during the year.</p>
<p>6. Provide funding assistance for projects undertaken by external parties, including:</p> <ul style="list-style-type: none"> • Otago Rescue Helicopter; • Animal Health Board; • Ballance Environment Awards. 	<p>Contributions made include the following:</p> <ul style="list-style-type: none"> • Otago Rescue Helicopter - \$350,000 • TbFree - \$150,000 • Farm awards \$13,000 • Central Otago Wilding Conifer Group \$10,000
<p>7. Sponsor the completion of the graduate research project on Landscape Management.</p>	<p>The postgraduate project has been completed and reported to Council.</p>
<p>8. Submit on the following, where they affect Council's responsibilities and functions:</p>	<p>Submissions made included the following:</p> <ul style="list-style-type: none"> • an appeal with the Clutha District Council on Proposed Plan Change 28 regarding building in a

<ul style="list-style-type: none"> • National policies and significant legislation; • Regional and district plans and policies, plan changes and consent applications; • Conservation plans and strategies; • Codes of practice, standards and guidelines. 	<p>flood prone area to give better effect to the Milton 2060 Strategy. This was resolved through mediation with other parties and an agreement was reached with the Clutha District Council to classify residential structures within critical areas of the floodway corridors.</p> <ul style="list-style-type: none"> • Statistics NZ to advocate for data collection for informing local government strategy, policy and plans.
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Estimated and Actual Costs

Project	Actual to 30 June 2015 \$000s	Estimated to 30 June 2015 \$000s	Variance () = Unfavourable
Public Information Project	1,422	1,255	(167)
Iwi Relationships	86	101	15
Financial Contributions	612	731	118
Responses to Issues	242	194	(48)
Councils & Committees	1,370	1,337	(33)
Total	3,732	3,618	(114)

Estimated and Actual Revenue

Project	Actual to 30 June 2015 \$000s	Estimated to 30 June 2015 \$000s	Variance () = Unfavourable
Public Information Project	1	15	(14)
Financial Contributions	0	115	(115)
Responses to Issues	1	0	1
Councils & Committees	2	0	2
Total	4	130	(126)

FLOOD PROTECTION & CONTROL WORKS

What we want to achieve

Flood and Drainage Schemes

Level of Service – Reduce the flood risk to people and property by maintaining flood protection works to agreed standards.	
Measure 1 <ul style="list-style-type: none"> • New flood mitigation works are designed and built to agreed performance standards. • Existing flood mitigation works perform to agreed standards. • Existing flood mitigation works are monitored and maintained to agreed standards. 	
Target Measures of Success	Actual Measure at 30 June 2015
Alexandra Flood Protection Scheme	
Convey all floods with no failure of any scheme floodbank.	No failure of the Alexandra floodbank network occurred during the period.
Contain all floods up to 142.75m (above mean sea level) at Alexandra Bridge with 0.5m freeboard, corresponding with a flood flow of approximately 4,350 cubic metres per second and being equivalent to the greatest recorded flood (in 1878) but with the Lake Hawea control gates closed.	Target met. The highest level reached by the Clutha River over the period was 134.13m above mean sea level, recorded on 3 August 2014.
Target Measures of Success	Actual Measure at 30 June 2015
Leith Flood Protection Scheme	
By 2018/19, increase capacity to 171 cubic metres per second (measured at St David Street footbridge). Represents 1 in 100 year flood with freeboard (through to 2018/19). Currently standard of protection varies through the scheme area, but minimum standard at various locations is 1 in 20 year flood.	Work has continued on the construction of the Leith Flood Protection Scheme. The scheme works performed well during the 3 June flood event. Some minor works were required to remedy flood damage.
Target Measures of Success	Actual Measure at 30 June 2015
Lower Taieri Flood Protection Scheme	
Convey all floods with no failure of any scheme floodbank.	No failure of the Lower Taieri Flood protection scheme occurred during the period.
No flooding of the East Taieri upper ponding area from Taieri River flows up to 800 cubic metres per second or Silver Stream flows up	No flooding occurred in the Upper Ponding area arising from the Taieri River and Silver Stream flows. The highest recorded flow in the Taieri River (as measured at

to 160 cubic metres per second.	Outram) reached 745m ³ /s on 4 June 2015. The highest recorded flow in the Silverstream (as measured at the Gordon Road bridge) reached 1,275m ³ /s on 3 June 2015 with water lapping the true left bank between Gordon and Riccarton Roads.
No flooding of West Taieri from Taieri River flows up to 2,500 cubic metres per second. No flooding of Mosgiel from Silver Stream flows up to 260 cubic metres per second (Taieri River flows measured at Outram, Silver Stream flows measured at Gordon Road), being equivalent to the 1980 flood, nominally a 100 year event.	No flooding occurred during the period. The highest recorded flow in the Taieri River (as measured at Outram) reached 745m ³ /s on 4 June 2015. The highest recorded flow in the Silverstream (as measured at the Gordon Road bridge) reached 1,275m ³ /s on 3 June 2015 with water lapping the true left bank between Gordon and Riccarton Roads.
Target Measures of Success	Actual Measure at 30 June 2015
Shotover River Delta Surface of Shotover River delta is consistent with target profile.	Analysis is being undertaken to compare existing profiles with target profile.
Target Measures of Success	Actual Measure at 30 June 2015
Lower Clutha Flood & Drainage Scheme Convey all floods with no failure of any scheme floodbank.	No breaches occurred during the year.
No flooding of Barnego in all flows up to 2,850 cubic metres per second, Kaitangata, Inch Clutha and Paretai up to 4,000 cubic metres per second and Balclutha up to 5,400 cubic metres per second (all flows measured at Balclutha) based on past observed floods.	No breaches occurred during the year. The highest level reached was 1,621m ³ /s, measured at Balclutha on 4 June 2015.
Provide drainage modulus of 7.5mm per day pumped drainage capacity for Matau District, 9mm per day for Inch Clutha and 10mm per day for Paretai District.	The moduli were provided for over the period. Daily rainfall (as measured at Balclutha) exceeded <ul style="list-style-type: none"> • 7.5mm per day on 28 occasions for Matau District, • 9mm per day on 20 occasions for the Inch Clutha District • 10mm per day on 14 occasions for the Paratai District.
Target Measures of Success	Actual Measure at 30 June 2015
East Taieri Drainage Scheme Provide drainage modulus of 8mm per day pumped drainage capacity for East Taieri upper ponding area, and 18mm per day for East Taieri lower ponding area.	The moduli were provided for over the period. Daily rainfall (as measured at Riccarton Road) exceeded 8mm on 14 occasions.

Target Measures of Success	Actual Measure at 30 June 2015
<p>West Taieri Drainage Scheme</p> <p>Provide drainage modulus of 10mm per day pumped drainage capacity.</p>	<p>The modulus was provided for over the period. Daily rainfall (as measured at Riccarton Road) exceeded 10mm per day on nine occasions.</p>
Target Measures of Success	Actual Measure at 30 June 2015
<p>Tokomairiro Drainage Scheme</p> <p>The drains and channel flow paths within the scheme are maintained to ensure hydraulic capacity.</p>	<p>Drains were maintained during the year. Two drains were cleaned out and a full spray programme was completed.</p>

Activities planned to achieve the levels of service for flood and drainage schemes

Activities	Achievement to 30 June 2015
<p>Alexandra Flood Protection Scheme</p> <p>1. Inspect, operate and maintain scheme assets in accordance with scheme Asset Management Plan and Operations and Maintenance Manual.</p>	<p>Scheme assets were inspected and maintained in accordance with the Operations and Maintenance manual.</p>
<p>2. Make decisions on applications for approvals under the Otago Flood Protection Management Bylaw within 15 working days of receiving the application.</p>	<p>One application was received and processed within three days.</p>
<p>Leith Flood Protection Scheme</p> <p>3. Undertake flood hazard mitigation work for the Water of Leith between Dundas Street and St David Street by 30 June 2015.</p>	<p>A contract has been awarded for flood hazard mitigation works between Dundas Street and St David Street, and investigations are being finalised. Construction is planned for completion in the summer of 2015/16.</p>
<p>4. Commence investigation and design of the flood hazard mitigation work for the Water of Leith between the Union Street and Leith Street bridges.</p>	<p>Investigations have commenced.</p>
<p>5. Inspect and clear debris from boulder traps within two weeks following a flood event.</p>	<p>Debris traps at Woodhaugh and Malvern Streets were cleared within eight days of the June flood event.</p>

6. Make decisions on applications for approvals under the Otago Flood Protection Management Bylaw within 15 working days of receiving the application.	One application was received for the Leith Street Footbridge. This is awaiting a technical review.
Lower Taieri Flood Protection Scheme	
7. Form a weighting blanket beside the Taieri River right flood bank at Otokia so as to reduce the likelihood of foundation piping and flood bank failure at that location.	Further investigation of floodbank failure risks were undertaken during the year. Construction is now scheduled for 2015/16.
8. Investigate seismic damage potential to the Waipori River flood bank between the Waipori pump station and the Taieri River confluence and identify potential mitigation measures.	Geotechnical field investigations are expected to be completed by August 2015, with reporting to be completed by September.
9. Conduct an information meeting for landholders within the scheme area to explain scheme performance, activities and planned work programmes.	An information meeting was held in Mosgiel in April, attended by approximately 40 people. A briefing to the Mosgiel-Taieri Community Board about scheduled drains was held on 29 April.
10. Inspect, operate and maintain flood and drainage scheme assets in accordance with the scheme Asset Management Plan and Operations Manual.	Scheme assets were inspected and maintained in accordance with the Operations and Maintenance manual.
11. Make decisions on applications for approvals under the Otago Flood Protection Management Bylaw within 15 working days of receiving the application.	One application was received for the year, and is in progress.
Lower Clutha Flood and Drainage Scheme	
12. Construct a new outfall for the Paretai drainage network to the Koau branch of the Clutha River/Mata-Au River so as to improve drainage within the Paretai area.	Initial design work has been completed. Further design work has been deferred to 2020/21 pending the outcome of an investigation into sea level rise and shoreline retreat in 2015/16.
13. Refurbish the Smith Road pump station by 30 June 2015 so as to improve the reliability of the station.	Tender evaluation is in progress. Work is expected to be completed over the summer months (January 2016).
14. Replace Council owned culvert crossings on an as required basis, based on inspection and condition assessment	Culverts were maintained as required with one culvert upgrade made in Kaitangata for the year.

information.	
15. Conduct an information meeting for land-holders within the scheme area to explain scheme performance, activities and planned work programmes.	An information meeting was held in Balclutha on 21 April, attended by approximately 40 people.
16. Inspect, operate and maintain flood and drainage scheme assets in accordance with the scheme Asset Management Plan and Operations Manual.	Scheme assets were inspected and maintained in accordance with the Operations and Maintenance manual.
17. Make decisions on applications for approvals under the Otago Flood Protection Management Bylaw within 15 working days of receiving the application.	One application has been received but not processed within the time frame due to an official determination of the outfall canal at Puerua. Multiple applications for whitebait stands have been received but these are currently on hold until unresolved civil matters come to a resolution.
East Taieri Drainage Scheme	
18. Conduct an information meeting for landholders within the scheme area to explain scheme performance, activities and planned work programmes.	An information meeting was held in Mosgiel on 23 April attended by approximately 40 people. A briefing to the Mosgiel-Taieri Community Board about scheduled drains was held on 29 April.
19. Inspect, operate and maintain drainage scheme assets in accordance with the scheme Asset Management Plan and Operations Manual.	Scheme assets were inspected and maintained in accordance with the Operations and Maintenance manual.
20. Make decisions on applications for approvals under the Otago Flood Protection Management Bylaw within 15 working days of receiving the application.	Three applications were received for the year, two were completed and one is still being processed.
West Taieri Drainage Scheme	
21. Upgrade contour channel bridge number 12 to a 0.85 HN (lightly trafficked rural bridge) traffic standard.	Contour bridge number 11 was upgraded for quad bike and stock only, strengthening channels are still to be fitted. Bridge number 12 has been deferred to 2018/19.
22. Conduct an information meeting for landholders within the scheme area to explain scheme performance, activities and planned work programmes.	An information meeting was held in Mosgiel on 23 April attended by approximately 40 people. A briefing of the Mosgiel-Taieri Community Board about scheduled drains was held on 29 April.
23. Inspect, operate and maintain drainage scheme assets in accordance with the scheme Asset Management Plan and	Scheme assets were inspected and maintained in accordance with the Operations and Maintenance manual. Additional drain cleaning was undertaken early

Operations Manual.	in the year to take advantage of the drought conditions.
24. Make decisions on applications for approvals under the Otago Flood Protection Management Bylaw within 15 working days of receiving the application.	Four bylaw applications were received for the year, with three completed and one still being processed.
Tokomairiro 25. Conduct an information meeting for landholders within the scheme area to explain scheme performance, activities and planned work programmes, and to agree levels of service.	This target was deferred to the 2015/16 year.
26. Inspect, operate and maintain the Tokomairiro land drainage works in accordance with the scheme Operations and Maintenance Manual.	Scheme assets were inspected and maintained in accordance with the Operations and Maintenance manual.
27. Make decisions on applications for approvals under the Otago Flood Protection Management Bylaw within 15 working days of receiving the application.	One application has been received for the year. This is currently on hold awaiting further information from the applicant.

Estimated and Actual Costs

Project	Actual to 30 June 2015 \$000s	Estimated to 30 June 2015 \$000s	Variance () = Unfavourable
Alexandra SRD	144	93	(51)
Leith Flood Protection	3,632	4,969	1,337
Lwr Clutha Flood SRD	1,172	1,431	259
Lower TaieriSRD	354	549	195
West Taieri Drainage	533	472	(61)
East Taieri Drainage	340	313	(27)
Toko Drainage	58	79	21
Shotover Delta Flood Protection	26	77	51
Total	6,259	7,983	1,724

Estimated and Actual Revenue

Project	Actual to 30 June 2015 \$000s	Estimated to 30 June 2015 \$000s	Variance () = Unfavourable
Alexandra SRD	158	91	67
Leith Flood Protection	392	75	317
Lwr Clutha Flood SRD	206	124	82
Lower TaieriSRD	2	1	1
West Taieri Drainage	26	56	(30)
East Taieri Drainage	2	4	(2)
Total	786	351	435

RIVERS & WATERWAY MANAGEMENT

What we want to achieve

River Management

Level of Service – Ensure waters can flow without undue obstruction.	
Measure Time taken to investigate reported blockages	
Target Measure of Success	Actual Measure at 30 June 2015
Investigate all reported blockages obstructing scheduled rivers within 10 working days and action appropriately.	All reported blockages were investigated and obstructions removed within 10 working days.

Activities planned to achieve the level of service for river management

Activities	Achievement to 30 June 2015
1. Complete annual inspections on all rivers specified in Table 1, and undertake maintenance work on those rivers as necessary.	Annual inspections were carried out on rivers as required during the period.
2. Undertake inspections and maintenance work on the rivers specified in Table 2 as necessary, following a flood event or on receipt of a complaint.	Inspections were undertaken as required and all complaints were responded to.
3. Actively develop the implementation of the Kakanui/Kauru River Morphology and Riparian Management Plan.	Consultation with the community and the Waitaki District Council was undertaken in May. The strategy is being amended as a result of the feedback received.
4. Work with Environment Canterbury, landholders and other stakeholders to implement the Lower Waitaki River Riparian Management Plan.	A proposed Lower Waitaki River Riparian Management Plan was drafted and presented to the community. The Plan was endorsed by Council and staff are currently working with Environment Canterbury to implement it.
5. Publish reports describing changes in the channel morphology of the Shag and Waianakarua Rivers in November 2014. Explain the findings of these reports, and their implications for river management and natural hazards to the Waitaki District Council and the local community in early 2015.	Reports have been published and will be present to the community in early 2015/16. The Shag River is showing signs of changing from a state of overall degradation to one of aggradation/stability, although it is still experiencing areas of bank erosion and channel incision. Noticeable bank erosion is occurring in the Waianakarua, with the largest changes observed in the South Branch.

6. Provide an update on recent changes in the channel morphology of the Kakanui and Kauru Rivers, based on repeat cross-section survey data collected in 2013/14, to the local community and the Waitaki District Council.	Reports have been published and distributed.
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TABLE 1 – RIVERS INSPECTED ANNUALLY	
Dunedin SRD	
Taieri River	Daisybank – Hyde Ngapuna – Sutton Outram – Waipori River confluence
Waipori River	Lake Waipori – Taieri River confluence
Silverstream	Three Mile Hill Road – Taieri River confluence
Waitati River	SH No. 1 Bridge – Blueskin Bay
Waikouaiti River	Orbells Crossing – Karitane
Water of Leith	Rockside Road – Otago Harbour
Lindsay Creek	Bethunes Gully – Water of Leith confluence
Kaikorai Stream	Brockville Road intersection – Green Island – Waldronville Road Bridge
Wanaka SRD	
Stoney Creek/Waterfall Creek	Headwaters to lake
Clutha SRD	
Clutha River/Mata-Au	Barnego – Clydevale
Pomahaka River	Kelso – Dusky
Heriot Burn River	At Heriot township
Tuapeka River	From confluence with the Clutha River/Mata-Au upstream for 4 km
Waitahuna River	From confluence with the Clutha River/Mata-Au upstream for 4 km
Tokomairiro North	Upstream of Milton for 5 km
Tokomairiro East	Upstream of Milton for 5 km
Queenstown SRD	
Kawarau River	From the lake downstream to Smith Falls
Shotover River	From the confluence with the Kawarau to the lower Shotover Gorge
Mill Creek	From Lake Hayes upstream for 2.5 km
Arrow River	Around Arrowtown
Horn Creek	Through Queenstown with QLDC
Bucklerburn River	Upstream to the Road Bridge
Hayes Creek	From Lake Hayes downstream to the Kawarau River
Kingston Creek	At Kingston
Central Otago SRD	
Taieri River	Hores Bridge – Kokonga
Manuherikia River	Galloway Bridge – Clutha River/Mata-Au confluence
Waitaki SRD	
Pleasant River	Mt Royal – Goodwood
Shag River	Waynestown – SH No. 1 Bridge
Kakanui River	Clifton Falls Bridge – Kakanui township
Waikoura Creek	SH No. 83 Bridge – Waitaki River confluence

TABLE 2 – RIVERS INSPECTED FOLLOWING EVENTS	
Dunedin SRD	
Waitati River	McIntosh Road – SH No. 1 Bridge
Silverstream	Scout Camp – Three Mile Hill Road
Waikouaiti River	Bucklands Crossing – Orbell's Crossing
March Creek	SH No. 87 Bridge – Cemetery
Central Otago SRD	
Taieri River	Styx Basin
Kyeburn	Dansey Pass Hotel – Taieri River confluence
Sowburn	Through Patearoa
Hogburn	Through Naseby
Idaburn	Through Oturehua
Manuherikia River	Loop Road – Galloway
Dunstan Creek	Loop Road – Manuherikia River confluence
Fraser River	Fraser Domain – Clutha River/Mata-Au confluence
Lindis River	Morven Hills – Clutha River/Mata-Au confluence
Waitaki SRD	
Hilderthorpe Floodway	Gray Road – Steward Road
Henderson Creek	SH No. 83 Bridge – Waikoura Creek confluence
Muddy Creek (Oamaru)	Kennilworth Road – Pacific Ocean (especially outfall)
Oamaru Creek	Oamaru Gardens – Pacific Ocean
Waiareka Creek	Ngapara – Kakanui River confluence
Kauru River	Kauru Hill Road Bridge – Kakanui River confluence
Waianakarua River	North branch from Cosy Dell, south branch from O'Connors confluence
Island Stream	Kurihika – Kakanui River confluence
Big Kuri Creek	Upstream and downstream of SH 1
Pleasant River	Mount Royal – Goodwood
Clutha SRD	
Clutha River/Mata-Au	Barnego – Clydevale
Pomahaka River	Kelso – Dusky
Heriot Burn River	At Heriot township
Tuapeka River	From the confluence with the Clutha River/Mata-Au upstream for 4 km
Waitahuna River	From the confluence with the Clutha River/Mata-Au upstream for 4 km
Tokomairiro North	Upstream of Milton for 5 km
Tokomairiro East	Upstream of Milton for 5 km
Queenstown SRD	
Kawarau River	From the lake downstream to Smith Falls
Shotover River	From the confluence with the Kawarau to the lower Shotover Gorge
Mill Creek	From Lake Hayes upstream for 2.5 km
Arrow River	Around Arrowtown
Horn Creek	Through Queenstown with QLDC
Bucklerburn River	Upstream to the Road Bridge
Wanaka SRD	
Cardrona River	Entire length
Stoney Creek	Entire length

Estimated and Actual Costs

Project	Actual to 30 June 2015 \$000s	Estimated to 30 June 2015 \$000s	Variance () = Unfavourable
Rivers & Waterway Mgt	1,093	962	(131)
River Surveys	29	24	(5)
Total	1,122	986	(136)

ENVIRONMENTAL INCIDENT RESPONSE

What we want to achieve

Environmental Incidents

Level of Service – Council will be ready and able to respond to all environmental incidents including oil spills, and ensure restoration as required.																													
Measure																													
Respond to incidents in a timely manner.																													
Target Measure of Success	Actual Measure at 30 June 2015																												
Respond to incidents throughout the region within 0.5 hours of receipt of notice.	<p>Council responded to all incidents within 0.5 hours of receipt, during the year as follows:</p> <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th style="text-align: center;">2014/15</th> <th style="text-align: center;">2013/14</th> <th style="text-align: center;">2013/143</th> </tr> </thead> <tbody> <tr> <td>Air</td> <td style="text-align: center;">599</td> <td style="text-align: center;">618</td> <td style="text-align: center;">540</td> </tr> <tr> <td>Coast</td> <td style="text-align: center;">40</td> <td style="text-align: center;">64</td> <td style="text-align: center;">37</td> </tr> <tr> <td>Land</td> <td style="text-align: center;">97</td> <td style="text-align: center;">96</td> <td style="text-align: center;">62</td> </tr> <tr> <td>Water</td> <td style="text-align: center;">382</td> <td style="text-align: center;">414</td> <td style="text-align: center;">403</td> </tr> <tr> <td>Other</td> <td style="text-align: center;">149</td> <td style="text-align: center;">157</td> <td style="text-align: center;">136</td> </tr> <tr> <td>Total</td> <td style="text-align: center;">1,267</td> <td style="text-align: center;">1,405</td> <td style="text-align: center;">1,256</td> </tr> </tbody> </table>		2014/15	2013/14	2013/143	Air	599	618	540	Coast	40	64	37	Land	97	96	62	Water	382	414	403	Other	149	157	136	Total	1,267	1,405	1,256
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Total	1,267	1,405	1,256																										
Respond to reported marine oil spills in accordance with the Otago Marine Oil Spill Contingency Plan within 1.5 hours of receiving the report.	<p>During the period seven marine oil spills were reported, however a full maritime response was not required.</p> <p><i>(2013/14: 20 incidents, no maritime response required).</i></p>																												

Activities planned to achieve the level of service for environmental incidents

Activities	Achievement to 30 June 2015
<i>Pollution incidents, oil spills</i>	
1. Operate a 24 hour incidents hotline throughout Otago.	Council continued to operate a 24 hour pollution hotline response system.
2. Hold one desktop and one field exercise per year for marine oil and pollution incident response, and one equipment training day involving the use of the pollution equipment, vehicles and people.	One equipment and marine pollution exercise was held and two pollution desktop exercises were held in the 12 month period, one each in Alexandra and Dunedin.

<p>3. Undertake enforcement action where adverse effects on the environment have occurred that supports such action.</p>	<p>Infringement notices were issued for the following offences during the year:</p> <table border="1"> <thead> <tr> <th></th> <th>2014/15</th> <th>2013/14</th> <th>2012/13</th> </tr> </thead> <tbody> <tr> <td>Discharges:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>- to air</td> <td>5</td> <td>15</td> <td>10</td> </tr> <tr> <td>- to land</td> <td>1</td> <td>2</td> <td>2</td> </tr> <tr> <td>Disturbing:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>- bed of river</td> <td>1</td> <td>2</td> <td>4</td> </tr> <tr> <td>Other</td> <td>0</td> <td>4</td> <td>1</td> </tr> <tr> <td>Total</td> <td>7</td> <td>23</td> <td>17</td> </tr> </tbody> </table> <p>Prosecutions were initiated for the following offences:</p> <table border="1"> <thead> <tr> <th></th> <th>2014/15</th> <th>2013/14</th> <th>2012/13</th> </tr> </thead> <tbody> <tr> <td>Discharges:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>- to air</td> <td>4</td> <td>3</td> <td>0</td> </tr> <tr> <td>- to land</td> <td>3</td> <td>2</td> <td>3</td> </tr> <tr> <td>Disturbing:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>- bed of river</td> <td>3</td> <td>2</td> <td>0</td> </tr> <tr> <td>Other</td> <td></td> <td>0</td> <td>1</td> </tr> <tr> <td>Total</td> <td>10</td> <td>7</td> <td>4</td> </tr> </tbody> </table> <p>Seven water shortage directions were issued during the drought period. The directions suspended or restricted permit/consent holders from taking, using, damming or diverting water from the main stem of the Taieri River.</p>		2014/15	2013/14	2012/13	Discharges:				- to air	5	15	10	- to land	1	2	2	Disturbing:				- bed of river	1	2	4	Other	0	4	1	Total	7	23	17		2014/15	2013/14	2012/13	Discharges:				- to air	4	3	0	- to land	3	2	3	Disturbing:				- bed of river	3	2	0	Other		0	1	Total	10	7	4
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Total	10	7	4																																																														
<p>Contaminated sites</p> <p>4. Register the findings of contaminated site investigations with the appropriate TLA within 10 working days of completing the assessment, and update the shared electronic register accordingly.</p>	<p>22 contaminated site investigations were assessed, the Database of Selected Land Uses was updated, and the relevant TLA notified of status updates. On all but three occasions this occurred within 10 working days.</p>																																																																
<p>5. Complete three preliminary site investigations for priority sites/activities and present the findings to the land owners and TLA.</p>	<p>No preliminary site investigations were completed to date. This target has been removed from the 2015-25 LTP.</p>																																																																
<p>6. Monitor 10 previously identified sites, in accordance with their site specific monitoring plans and present the findings to the landowner and TLA.</p>	<p>Ten previously identified contaminated sites were monitored during the period. Eight of the sites continue to be appropriately managed to prevent adverse effects due to residual contaminants in the soil. One site requires further assessment by the land owner and the district council.</p>																																																																
<p>7. Complete applications to the Contaminated Sites Remediation Fund (CSRF) on behalf of eligible land owners, and assist with the implementation of those projects.</p>	<p>No applications were required to be completed.</p>																																																																

Estimated and Actual Costs

Project	Actual to 30 June 2015 \$000s	Estimated to 30 June 2015 \$000s	Variance () = Unfavourable
Incident Response	1,081	867	(214)
Contaminated Sites Management	71	94	23
Total	1,152	961	(191)

Estimated and Actual Revenue

Project	Actual to 30 June 2015 \$000s	Estimated to 30 June 2015 \$000s	Variance () = Unfavourable
Incident Response	226	368	(142)
Contaminated Sites Mgt	0	25	(25)
Total	226	393	(167)

NATURAL HAZARDS

What we want to achieve

Natural Hazards

Level of Service – Provision of adequate and timely information, policy and regulatory framework on natural hazards to enable communities to make informed decisions about the risks associated with those hazards.	
Measure 1	
Information to be available on Natural Hazards in Otago, increased awareness that such information exists.	
Target Measure of Success	Actual Measure at 30 June 2015
Provide natural hazards information to the public via an effective web-based Otago Natural Hazards Database.	The database continued to be used by a wide range of people with a total of 3,600 visits being made to the site for the period for the year.

Activities planned to achieve the level of service for natural hazards

Activities	Achievement to 30 June 2015
1. Undertake specific investigations of seismic hazard in Dunedin, Wanaka, and the Alexandra and Wakatipu Basins, based on the findings of work undertaken in 2013/14 to collate and report on existing information.	Work is progressing and reporting is planned for the 2015/16 year. Work in Wanaka has been completed and results will be reported in September 2015.
2. Undertake a joint Otago Regional Council/-Queenstown Lakes District Council flood awareness campaign in Queenstown and Wanaka in October 2014.	A flood awareness campaign was completed. Approximately 200 businesses in Queenstown and Wanaka were contacted, and four information evenings with approximately 60 people attending were held.
3. Publish a report describing the flood and erosion hazard of the Arrow River at Arrowtown in August 2014. Present the findings of that report to the Queenstown Lakes District Council and at a public meeting in Arrowtown in October 2014.	A report was completed and presented in May. The study found that much of the recreational area on the true right side of the floodplain at Arrowtown is vulnerable to inundation and erosion hazard during large flood events, with water depths of 1m or more possible. Arrowtown itself is elevated sufficiently to avoid being flooded by the Arrow River.
4. Finalise an action plan to prepare for and reduce the impacts of flood events in Milton in September 2014. Work with the Clutha District Council and	This was delayed due to the June flood event. The incident readiness and response part of plan was implemented during the June flood event.

lifeline utilities to implement that plan.	
<p>5. Publish reports describing the natural hazards of the Lower Clutha delta, and changes in the morphology of the South Otago coastline in August 2014. Present the findings of these reports to the Clutha District Council, Contact Energy Limited, and to the local community in late 2014.</p>	<p>A morphology report of the South Otago coastline was published. A Natural Hazards report of the Clutha Delta is due to be completed. This will incorporate work on shoreline retreat and sea level rise planned in 2015/16 before being released.</p>
<p>6. Monitor the risks posed by the following natural hazards and work with territorial authorities and other agencies to manage those risks.</p> <ul style="list-style-type: none"> • Pipson Creek - Alluvial fan - Makarora • Young River Dam - Landslide dam - Makarora • Buckler Burn/Bible Stream - Landslide dam/alluvial fan - Glenorchy • Brewery Creek/Reavers Lane - Alluvial fan - Queenstown • Abbotsford Lake - Land instability/dam failure - Green Island 	<p>Pipson Creek, Young River Dam, Buckler Burn/Bible Stream, Brewery Creek / Reavers Lane - monitoring of the risks have been completed and draft risk assessments have been prepared. Further work is planned with other agencies to identify options to manage risks.</p> <p>Abbotsford Lake - no monitoring of this site was undertaken during the period.</p>

Flood Warning

Level of Service – Provision of accurate and timely flood warnings.	
<p>Measure Warnings of flood events in a timely manner to potentially affected persons.</p>	
Target Measure of Success	Actual Measure at 30 June 2015
<p>Rainfall and river flow information is disseminated to the public when flood levels reach alarm status.</p>	<p>Information was passed onto the public as required. There was one flood warning in South Otago which did not require a response. No other actions were required for the period.</p>

Activities planned to achieve the level of service for flood warning

Activities	Achievement to 30 June 2015
1. Operate a 24 hour flood management and response system throughout the year.	Council continued to operate a 24 hour flood management and response system during the period.
2. Continually update and/or improve flood forecasting models, utilising appropriate software packages.	A model forecasting flows in the Pomahaka River has been developed.

Estimated and Actual Costs

Project	Actual to 30 June 2015 \$000s	Estimated to 30 June 2015 \$000s	Variance () = Unfavourable
Natural Hazards	587	598	11
Flood Risk Management	665	442	(223)
Total	1,252	1,040	(212)

EMERGENCY MANAGEMENT

What we want to achieve

Level of Service – Be ready to respond to civil defence emergencies, assist with recovery after such events, and to coordinate and promote reduction of risk through Group strategies and plans.	
Measure Timeliness in response to a civil defence event / emergency.	
Target Measure of Success	Actual Measure at 30 June 2015
The Group Emergency Coordination Centre (GECC) can be fully operational within one hour of activation.	The Group Emergency Coordination Centre was in a state of readiness to be activated at all times.
Respond immediately upon notification of a civil defence event / emergency.	Activation occurred in a monitoring role during the 1 June flood event. Staff participated in a MCDEM-led event debrief on 25 June.

Activities planned to achieve the level of service for emergency management

Activities	Achievement to 30 June 2015
1. Upgrade and maintain the Otago CDEM Group website to contain relevant and up to date information about civil defence and emergency management in the Otago CDEM Group area.	The website was updated and the alpine fault added. The website was very active during the June flood event.
2. Test the Group warning system at least once during the year.	The Group Warning System was tested on 11 March as part of the National warning system.
3. Complete the upgrade of the GECC/EOC (Emergency Operations Centre) radio network.	This is now scheduled for the 2015/16 year.
4. Facilitate a workshop with Otago lifeline utilities on their interdependences and emergency response priorities and report that information to the Coordinating Executive Group.	The recommendation to form Otago Lifelines Group has been endorsed by Co-ordinating Executive Group (CEG) and the Risk Reduction Committee with the Terms of Reference presented to CEG.
5. Develop an Alpine Fault Earthquake Response Plan.	This has now been deferred to 2015/16. Preparation is underway for Exercise Shakeout.

Estimated and Actual Costs

Project	Actual to 30 June 2015 \$000s	Estimated to 30 June 2015 \$000s	Variance () = Unfavourable
Emergency Management	245	415	170
Total	245	415	170

Estimated and Actual Revenue

Project	Actual to 30 June 2015 \$000s	Estimated to 30 June 2015 \$000s	Variance () = Unfavourable
Emergency Management	55	0	55
Total	55	0	55

TRANSPORT

What we want to achieve

Regional Transport Planning

Level of Service – Develop a Regional Land Transport Plan that will contribute to an effective, efficient and safe land transport system in Otago.	
Measure Clear priorities set for local and central government transport expenditure in the region during 2015-18, and an effective schema for measuring and reporting progress towards desired outcomes.	
Target Measures of Success	Actual Measure at 30 June 2015
Completion of a Regional Land Transport Plan that meets statutory requirements	The Regional Land Transport Plan was adopted in April.

Activities planned to achieve the level of service for regional transport planning

Activities	Achievement to 30 June 2015
1. Complete Investment Logic Mapping (ILM) with the Regional Transport Committee to identify transport priorities for the next six years by September 2014.	Target met and transport priorities have been identified.
2. Prepare a spatial information system for the region's transport network, drawing together economic network and safety information undertaken in Otago districts and linking to planning of the Southland network by June 2015.	This initiative was ceased, as no funding has been provided in the 2015-25 Long Term Plan for the development of the system.
3. Prepare the 2015-21 Regional Land Transport Plan.	The Regional Land Transport Plan was adopted in April.
4. Make submissions on applications for resource consents, designations and plan changes, and input to territorial authorities reviews of district plans and their transport strategies and business cases, to ensure the policy direction in the Regional Land Transport Strategy and transport sections of the Regional Policy Statement are implemented.	Input has been made to the QLDC business cases with submissions being made on the convention centre. The work is ongoing on an 'as needs' basis. Legislation has changed. The Regional Land Transport Plan now replaces the Regional Land Transport Strategy.

Public Passenger Transport

Level of Service – Provide a passenger transport service that meets passengers’ needs.	
Measure 1 Public satisfaction.	
Target Measures of Success	Actual Measure at 30 June 2015
1. Public satisfaction survey shows that at least 85% of bus users are satisfied with the overall standard of service and the following levels of satisfaction with these service attributes are achieved: <ul style="list-style-type: none"> • Vehicle quality – 85% of bus users. • Reliability – 90%. • Accessibility of the service – 90%. • Value for money – 80%. 	A survey was completed with an overall satisfaction result of 86%. <ul style="list-style-type: none"> • Vehicle quality - 95% • Reliability - 93% • Accessibility of the service - 97% • Value for money - 86%
2. Patronage to grow by at least 1% in 2014/15 in Dunedin.	Patronage declined by 0.8% over the previous year. However, this could be attributed to a reduction in the number of week day services and the unseasonal climatic events that occurred during the year.
Measure 2 Fare box recovery.	
Target Measures of Success	Actual Measure at 30 June 2015
1. Set fares to ensure that fare revenue covers 50% of the cost of running the Dunedin network service and 100% of the Wakatipu Basin network.	Farebox recovery for the Dunedin network is 48%. Farebox recovery for Wakatipu is 100%.

Activities planned to achieve the level of service for public passenger transport

Activities	Achievement to 30 June 2015
1. Monitor departure times of all buses to determine compliance with Regional Passenger Transport Plan standards.	NZTA’s survey methodology did not accommodate monitoring departure times. Departure times will be specifically monitored twice during the 2015/16 year.
2. Install a minimum of 10 new bus shelters on Dunedin routes.	A total of 24 bus shelters were installed during the year. There was some catch up from the previous year.
3. Ensure the installation of bike racks on all buses operating in Dunedin and Wakatipu Basin networks by 1 July 2015.	Implementation is occurring as new contracts are being entered into. No new buses come in that do not meet the standard.

<p>4. Undertake the following enhancements and developments:</p> <p>a) Add the Queenstown network to the journey planner by August 2014.</p> <p>b) Add fare calculator to journey planner by August 2014.</p> <p>c) Complete the procurement of and commence the implementation of a new ticketing system for Dunedin and Wakatipu by November 2014; to go live in 2015/16.</p> <p>d) Investigate and subject to NZTA endorsement, commence procurement and implementation of a real time system for Dunedin and Wakatipu by June 2015.</p> <p>e) Redesign signage for all bus stops in Dunedin; using an accessible format, upgrade the on-street timetable and route information displayed at the main central bus stands in Dunedin by June 2015.</p>	<p>a) This has been delayed. It will be implemented with the Real Time system in August 2015.</p> <p>b) This was investigated but found to not be practical to implement.</p> <p>c) Procurement process is ongoing.</p> <p>d) A Realtime system will commence for the Wakatipu by end of August 2015.</p> <p>e) Signage for the new bus route has been updated along with the upgrade of the new timetables. No redesign is being planned until the planned central city hub is up and running.</p>
<p>5. Plan and procure Dunedin bus services to replace the southern bus routes contract expiring 30 June 2015, optimising these services for Mosgiel, Fairfield, Brighton, Green Island and Abbotsford, and creating an interchange at Green Island to facilitate this in time for new services to commence on 1 July 2015.</p>	<p>The Regional Passenger Transport Plan became operative on 24 December 2014 and approval for the new procurement strategy was received at end of February. The new Southern routes contract commenced on 1 July 2015.</p>
<p>6. Plan the introduction of integrated fare system for Dunedin.</p>	<p>The procurement process is continuing.</p>
<p>7. Develop, in conjunction with bus operators and disability groups, an information system for the wheelchair accessibility of all buses in the two networks by 31 March 2015.</p>	<p>By July 2016 all buses in the Dunedin network will be wheelchair accessible.</p>
<p>8. Administer the Total Mobility scheme in Otago.</p>	<p>The scheme continued to be administered throughout the year.</p>

Stock Truck Effluent Disposal

Level of Service – Cleaner, safer Otago roads.	
Measure 1 Number of complaints received about effluent spillage.	
Target Measures of Success	Actual Measure at 30 June 2015
Reduction in the number of complaints received.	No complaints were received during the period.
Measure 2 Amount of effluent removed from stock truck effluent disposal sites.	
Target Measures of Success	Actual Measure at 30 June 2015
Increase in the amount of effluent removed from each site.	There has been a steady increase in the amount of effluent being removed.

Activities planned to achieve the level of service for stock truck effluent disposal

Activities	Achievement to 30 June 2015
1. Upgrade the Raes Junction stock truck effluent disposal site.	The site was upgraded during the year with the installation of an additional tank at the existing site.
2. Construct two new stock truck effluent disposal sites in the following locations. <ul style="list-style-type: none"> • Springvale Road (Alexandra). • Cromwell or Victoria Flats. 	A decision was made during the year to not proceed with this target.

Estimated and Actual Costs

Project	Actual to 30 June 2015 \$000s	Estimated to 30 June 2015 \$000s	Variance () = Unfavourable
Regional Land Transport Plan	393	451	58
Public Passenger Transport	9,673	9,729	56
STEDS	81	939	858
Total	10,147	11,119	972

Estimated and Actual Revenue

Project	Actual to 30 June \$000s	Estimated to 30 June 2015 \$000s	Variance () = Unfavourable
Regional Land Transport Plan	223	239	(16)
Public Passenger Transport	5,633	5,554	79
STEDS	43	471	(428)
Total	5,899	6,264	(365)