



8 Month Review to 28 February 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 style="width: 100%; border: none;"> <tr> <td style="width: 50%; 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="width: 50%; vertical-align: top;"> <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 28 February 2015		
All monitoring to be compliant with Schedule 15 of the Regional Plan: Water.	This will be reported on later in the year.		

Activities planned to achieve the level of service for water quality

Activities	Achievement to 28 February 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 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>Report on existing land use has not yet started. A monitoring programme of 500 samples from Schedule 16 sites will be implemented in the next reporting period. A survey was undertaken during December and January to gather data on farmers' knowledge of Plan Change 6A Water Quality, and results were reported on in February.</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"> • Discussions with an Ida Valley group, Oamaru real estate agents, AgResearch, and a meeting with a Ravensdown representative was held. • Attending the Oamaku dairy discussion day, the North Otago enviroready field day and the NZ Grassland Conference. • Training of Ballance Judges.

<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>Focused work is being undertaken in the Pomahaka area. ORC is partnering with the Kakanui Project group, and discussions have started with the Waitaki Irrigation Company and the North Otago Irrigation Company.</p>
<p>4. Identify tools and develop techniques to enable landowners to measure water quality.</p>	<p>Ongoing, working with service providers to provide the tools to assist landowners.</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>Visits were made to six farmers who have now converted to dairy.</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"> • Holding a forestry forum. • Setting up a liaison group. • Attending/holding at least four farm forestry field days. • Visiting all forestry companies in Otago. 	<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. • The liaison group is established, and a working group has been set up to help forestry companies with the consent process for discharges. • Planning is underway for a large field day to be held in April. • No visits with forestry companies completed to date.
<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>Harvesting has started and data continues to be monitored. Data presented at the forestry workshop has also been presented nationally.</p>
<p>8. Investigate the benefits that constructed wetlands may have to improving water quality discharging from open and tile drains.</p>	<p>Three ORC wetlands monitoring sites have been established and two more sites are being constructed by third parties. No more work is being done in this area as the draft Long Term Plan does not provide for the continuation of this work.</p>
<p>9. Carry out investigations and report on water quality in the Lindis and Cardrona catchments.</p>	<p>The Lindis report is in final draft. Sampling is underway on the Cardrona.</p>
<p>10. Establish monitor farms to measure compliance with Plan Change 6A, identify</p>	<p>Six Dairy NZ monitor farms have been established in collaboration with the ORC. ORC's focus has</p>

practices that protect and enhance water quality, and share the results with the community.	changed to technology. Work on drain monitoring has reduced as it will not continue next year.
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.	Access to one property is an issue. Sampling on other properties has been undertaken but modelling cannot be completed without data from the final property.
12. Carry out an investigation into nitrate loss in the Queenstown Lakes area to validate the Overseer model in high rainfall environments.	Monitoring equipment has been installed, bores drilled, and sampling is in progress. AgResearch and Landcare have been contracted to produce a technical report on the validation of Overseer.
13. Undertake audits of Prohibited and Permitted Activities relating to: <ul style="list-style-type: none"> • Commercial and farm forestry operations. • 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. 	No auditing has been undertaken to date but is programmed to be done over May to July 2015.
<i>Water Quality Monitoring – State of the Environment</i>	
14. Undertake State of the Environment monitoring of surface and groundwater quality, and prepare report cards.	Monitoring work is ongoing.
15. Undertake water quality monitoring for marine and freshwater sites, and report for contact recreational purposes.	The contact recreational monitoring report is due in the last reporting period.

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 28 February 2015
No violation of minimum flows due to abstraction	There were two consented violations of the

at any minimum flow site as set out in the Regional Plan: Water.	Waipiata minimum flow site. No enforcement action was undertaken but considerable discussions held with landowners over their management of irrigation.
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.

Activities planned to achieve the level of service for water quantity

Activities	Achievement to 28 February 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. Further technical work on the estuary is proposed prior to identifying a preferred option.</p> <p><i>Waiwera River</i> - was notified in November 2014. Six submissions have been received to date, and further submissions may be received up to 13 March. A hearing is proposed for April.</p> <p><i>Pomahaka</i> - has been notified. The appeal period is currently open with no appeals received to date.</p> <p><i>Bengar Burn and Ettrick aquifers</i> - 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> - A public workshop is set for 1 April 2015 to present an economic impact report. The proposed plan change is being finalised.</p> <p><i>Cardrona</i> - 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>Decisions were released in December 2014 with one appeal received and two section 274 parties received. Plans for mediation are being implemented.</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>Cromwell Terrace Aquifer</i> - an appeal has been received from Contact Energy and council is seeking court-assisted mediation to resolve it.</p> <p><i>Hawea Basin aquifer</i> - more science is required in order to complete this plan change. A second community workshop will be held in March.</p>

	<p>Papakao aquifer – this is no longer a priority and has been deferred to the draft Long Term Plan.</p> <p>Dunstan and Earnsclough aquifers - both have been deferred to 2015/16.</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.	Background information has been assembled in preparation for the first workshop in March.
Implementation of Regional Plan: Water – Plan Change 1C Water Quantity	
6. Liaise with iwi, communities, irrigator groups, irrigation companies and stakeholders to develop community awareness of water use, and options for group formation.	A GIS layer to show permit positions has been developed. No further work has been undertaken with this project.
7. Explain regulatory requirements around water allocation and aid the development of protocols for effective water utilisation.	Protocols are still being developed.
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/Queensberry, and Hawea.	A draft plan has been developed for implementing Plan Change 1C.
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.	Equipment has been installed at all sites, and monitoring is underway.
10. Carry out investigations and report on groundwater resource management for the Maniototo and Roxburgh aquifers.	<p>Maniototo - report is being drafted.</p> <p>Roxburgh - monitoring is in place and modelling is being planned.</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>Alpha Burn – no progress made as property access for monitoring has not been granted.</p> <p>Kaihiku - monitoring has been completed.</p> <p>12 Mile Creek, Old Man and Obelisk Range - monitoring is ongoing.</p>
12. Ensure compliance with water measuring regulations and consents and report on outcomes.	Work is ongoing.
13. Provide support to existing water user groups	The existing groups are at a point where

and advice to water users outside the mining privilege catchments on Plan Change 1C provisions.	consultants are assisting with the process and ORC involvement is no longer required.
14. Provide technical and funding support for community led investigations of infrastructure requirements for bulk rural water.	Funding support continues to be provided to the Manuherikia group for continued feasibility studies.
Water Quantity Monitoring – State of the Environment	
15. Undertake surface water quantity and groundwater quantity State of the Environment monitoring, at selected sites, and prepare report cards.	Ongoing and meeting target.

Estimated and Actual Costs

Project	Actual to 28 February \$000s	Estimated to 28 February \$000s	Variance () = Unfavourable	Estimated to 30 June 2015 \$000s
Regional Plan Water	433	571	138	863
Water Quality & Quantity SOE	1,397	1,161	(236)	1,750
Implementation of RP:6A	1,081	926	(155)	1,394
Implementation of RP:1C	333	783	450	1,180
Total	3,244	3,441	197	5,187

Estimated and Actual Revenue

Project	Actual to 28 February \$000s	Estimated to 28 February \$000s	Variance () = Unfavourable	Estimated to 30 June 2015 \$000s
Water Quality & Quantity SOE	313	311	2	467
Total	313	311	2	467

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 28 February 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.	The number of days over 50 micrograms per cubic meter during the 2014 winter months were as follows:	
	No. days over target	Highest Reading
	Alexandra	51
	Arrowtown	48
	Balclutha	4
	Clyde	20
	Cromwell	47
	Dunedin	0
	Milton	14
	Mosgiel	7
	Palmerston	0

Activities planned to achieve the level of service for air quality

Activities	Achievement to 28 February 2015
<i>Policy Development – Regional Plan: Air</i>	
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.	Plan change work on Lawrence and Milton has been deferred and is included in the draft Long Term Plan.
<i>Implementation</i>	
2. Review and update the Air Strategy, taking account of air quality monitoring results from the winter of 2014, by November 2014.	The Long Term Plan includes an Air Strategy for Otago and will incorporate ORC's internal strategy.

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.	Two fact sheets have been produced - one for Outdoor Burning and one for Using Your Woodburner.
4. Work with community groups in Alexandra, Cromwell and Milton, to encourage community responsibility for finding solutions to local air quality issues.	Activity is deferred due to the upcoming development of an Air Strategy for Otago.
5. Coordinate the replacement of approved clean heating appliances in 160 homes in Airzone 1 and Milton.	48 Clean Heat Clean Air subsidies have been provided for to end of February 2015.
6. Run up to three expos on clean heating appliances in Airzone 1 and Milton.	No expos were held during the period.
7. Undertake enforcement action in line with the provisions of the air strategy.	No strategy to date but all complaints are responded to as received.
Monitoring	
8. Continuously measure PM ₁₀ at sites in Dunedin, Mosgiel and Alexandra.	Ongoing measuring with all sites operational.
9. During the winter months, continuously measure PM ₁₀ 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.	Monitoring took place during the winter months.
Reporting	
10. Report on winter results of air quality and progress made towards meeting the NES for air quality by 30 November 2014.	Winter air quality results were reported to the October meeting of the Technical Committee.
11. Report air quality measurements: <ul style="list-style-type: none"> a) As collected on Council's website; b) In weekly summary reports; c) By weekly public notices of breaches of the AQNES; and d) Publishing an annual report card on the state and trends in air quality at the measurement sites by 1 December. 	Reporting undertaken as follows: <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. • Report is completed and awaiting approval.
12. Undertake and report studies that define the winter spatial distribution of particulate air quality in Cromwell and Alexandra, by 30 April 2015.	Report is in final draft and ready to be presented to the next committee meeting on 22 April.

13. Produce a State of the Environment air quality report tracking changes and trend over the last five years, by May 2015.

Work is on track and target expected to be met.

Estimated and Actual Costs

Project	Actual to 28 February \$000s	Estimated to 28 February \$000s	Variance () = Unfavourable	Estimated to 30 June 2015 \$000s
Ambient Air Quality Monitoring Reporting	165	204	39	308
Clean Air Initiative	102	218	116	327
Regional Plan: Air	3	33	30	49
Air Strategy Implementation	23	46	23	69
Total	293	501	208	753

Estimated and Actual Revenue

Project	Actual to 28 February \$000s	Estimated to 28 February \$000s	Variance () = Unfavourable	Estimated to 30 June 2015 \$000s
Clean Air Initiative	0	33	(33)	50
Total	0	33	(33)	50

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 28 February 2015
All properties inspected have either rabbit numbers under MAL3 or have property management plans in place to achieve MAL3.	128 properties have been inspected. 42 were compliant. 86 properties were non-compliant, and management plans were requested. 48 plans have been completed, and 32 are overdue. To date 270 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 28 February 2015
80% of properties inspected have eradicated and/or controlled the pest plant infestations through control works undertaken by the land occupier.	<p>Inspections for Boneseed, Bomarea and Old Mans Beard have started in Dunedin, Queenstown and Wanaka.</p> <p>Old Mans Beard - 239 inspections have been undertaken, with 115 (48%) found to be compliant, 27 non-compliant significant and 97 non-compliant minor.</p> <p>Bomarea - 150 inspections have been undertaken with 137 (91%) compliant, 2 non-compliant significant and 11 non-compliant minor.</p> <p>Boneseed - 24 inspections have been undertaken with 10 non-compliant minor.</p>

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

Activities	Achievement to 28 February 2015
<p>Policy Development – Pest Management Plan</p> <p>1. Prepare a South Island Pest Management Plan in conjunction with other councils in the South Island.</p>	The top 20 pests across the South Island have been identified and cost benefit analysis is to be completed for these. The National Policy Direction is holding up progress on this.

	This plan is now being identified as a possible template for a New Zealand wide Pest Plan.
<p>Implementation</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>Pest Animal Complaints – seven complaints about rabbits and one complaint about wallabies were received and responded to.</p> <p>Pest Plant Complaints – four Broom, nine Old Mans Beard, one Bomerea, one Nodding Thistle, one Lagarosiphon and five non-pest plants complaints were received and responded to.</p>
<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>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. 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>Two Notice of Directions were sent out after failed Old Mans Beard inspections.</p>
<p>Monitoring</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 undertaken in 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 are identified for eradication in the Regional Pest Management Plan. • 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. 	<ul style="list-style-type: none"> • Old Mans Beard inspections totalled 237 with 155 compliant, 27 non-compliant significant and 97 non-compliant minor. • Bomerea inspections totalled 150 with 137 compliant, 2 non-compliant significant and 11 non-compliant minor. • Three plants have been identified - Banana Passionfruit, Darwins Barbury and Chilean Flame Creeper – inspections of these will be ongoing in conjunction with other work. • All rookeries and rook sites were inspected between October and November 2014. The latest count of rooks is mid 50s.

8. Undertake RHD biannual sampling to determine the effectiveness of RHD as a biocontrol tool on rabbits.	RHD testing has commenced.
Reporting 9. Report on rabbit and rook populations in Otago, and report on areas of risk including MAL being exceeded.	Rabbit inspections are underway with the focus on properties that currently have plans in place. Reports are provided to the Regulatory Committee every six weeks.
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.	Six weekly reports to committees prepared in place of one annual report.

Biodiversity

Activities planned to achieve the level of service for biodiversity

Activities	Achievement to 28 February 2015
1. Undertake a review of the biodiversity activities undertaken by Council.	No progress to date, but planned for last reporting period.
2. Undertake monitoring and report on the state of Otago's regionally significant wetlands.	Imagery has been assessed, mapped and saved. A risk assessment profile is still to be carried out. Follow up work is being undertaken on 12 properties.
3. Administer the Honda Tree Fund for Otago.	Five applications have been approved to date.
4. Prepare a wilding tree discussion paper for Council.	Discussion paper has been completed.
5. Assist community groups where appropriate with information and field day support on biodiversity topics.	No requests for field days have been received in this period.

Estimated and Actual Costs

Project	Actual to 28 February \$000s	Estimated to 28 February \$000s	Variance () = Unfavourable	Estimated to 30 June 2015 \$000s
Biodiversity	15	92	77	138
Pest Mgt Strategy Implementation	469	487	18	732
Biological Control of Pests	16	52	36	77
Regional Services Contracts	688	1,048	360	1,536
South Island PMS	1	20	19	31
Total	1,189	1,699	510	2,514

Estimated and Actual Revenue

Project	Actual to 28 February \$000s	Estimated to 28 February \$000s	Variance () = Unfavourable	Estimated to 30 June 2015 \$000s
Pest Mgt Strategy Implementation	0	53	(53)	80
Regional Services Contracts	653	1,133	(480)	1,700
Total	653	1,186	(533)	1,780

REGULATORY

What we achieved to 28 February 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 28 February 2015
Process 100% of consent applications within the statutory timeframes.	Council received the following: <ul style="list-style-type: none"> • 274 consent applications, • 27 variations • 27 water reporting variations, of which four were rejected. • 96 transfers • 2 certificates of compliance • 38 WEX's, and • 1 s417 application. Consent decisions were given on 245 consent applications, 23 variations and 25 water reporting variations. 106 transfers were completed, two certificates of compliance, 31 WEX's granted and nine S417 certificates issued. <p>Two hearings were also held during the period.</p> 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 not actions being identified.
Measure 2 Annual customer satisfaction survey.	
Target Measure of Success	Actual Measure at 28 February 2015
Achieve at least 80% satisfaction over areas controlled by Consents.	Satisfaction survey will not be 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 28 February 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 have been 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 has been completed.</p> <p>Waitahuna catchment work is yet to be undertaken.</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>Work is progressing with this target. Permits identified as taking 20% less water than their value are to be analysed further.</p>

Compliance Monitoring

Level of Service – Ensure consent conditions for the use of Otago's air, water and coastal resources are complied with.	
<p>Measure 1 Performance monitoring (self-monitoring) returns on consents requiring self-monitoring to show compliance with consent conditions.</p>	
Target Measure of Success	Actual Measure at 28 February 2015
<p>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).</p>	<p>2,466 performance monitoring returns were processed during the period.</p> <p>Of these, 2,382 (97%) were compliant, and 84 (3%) were found to be non-compliant.</p>

Measure 2 Audits of consents of all high risk sites to show compliance with consent conditions.	
Target Measure of Success	Actual Measure at 28 February 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).	275 audits were undertaken during the period. 216 (79%) were found to be compliant, and 59 (21%) were found to be non-compliant, of which 16 were significant non-compliant.

Activities planned to achieve the level of service for compliance monitoring

Activities	Achievement to 28 February 2015
<i>Monitoring compliance with resource consent conditions</i>	
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.	2,466 returns (100%) were processed within one month of receipt.
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.	1,062 consents with 2,606 performance monitoring conditions remain overdue. The extra resource has enabled a reduction in overdue performance monitoring.
3. Using a risk based approach, undertake audits of minor consented activities relating to: <ul style="list-style-type: none"> a) 150 audits of minor discharge to land and water consents. b) 35 minor air discharge consents (that have no other consented activity); c) 100% of newly installed water metering installations (consented and water meter regulation requirements); d) 250 of all surface water consented takes; e) 75 of groundwater takes of greater than 10 litres per second; f) Monitor residual flow conditions on surface water takes in critical over-allocated catchments in Otago; g) 100% of operational gravel extractions; 	<ul style="list-style-type: none"> a) 96 audits of minor discharge to land and water consents have been undertaken to date. b) 42 minor air discharge consents have been audited to end of February. c) 29 audited to date, these are audited once council receives notification of completed installations, target of 100% has been met. d) 100 surface water consent takes have been audited to date. e) 27 ground water takes have been audited. f) No monitoring has occurred but a residual flow protocol has been established. g) 3 gravel extraction activities have been audited out of 4 currently operational consents.

h) 30% of all closed landfills in the region.	h) 19 out of 47 closed landfills have been audited in the period.
<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>a) Completed.</p> <p>b) Completed.</p> <p>c) Completed.</p> <p>d) Will be completed by end of year.</p> <p>e) Have started with 80% complete and progressing.</p> <p>f) Three out of 14 have been audited.</p> <p>g) Eight out of 26 have been audited.</p> <p>h) Two out of 18 have been audited.</p> <p>i) One out of three has been audited.</p>
<p>Monitoring compliance with permitted activity rules</p> <p>5. Undertake audits of 100% of animal waste collection systems.</p>	<p>352 inspections have been undertaken out of a total of 451 dairy properties. Of these, 15 were non-compliant significant and 21 were non-compliant minor. The non-compliant audits resulted in 36 out of the 352 being re-inspections.</p>
<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>Monitoring is progressing well and target on track to be reached for end of financial year. Clyde is not being reviewed as its stormwater goes to ground.</p>
<p>7. Complete investigation of compliance with permitted activity rules for urban stormwater discharges into the Silverstream.</p>	<p>Monitoring is progressing well and target will be reached for end of financial year. A possible issue has been identified on the Silverstream which is being followed up.</p>
<p>Enforcement</p> <p>8. Investigate and undertake enforcement action on breaches of resource consent conditions and Regional Plan rules.</p>	<p>A total of 10 infringement notices have been issued during the period for discharging effluent in breach of a regional rule. Two abatement notices have been issued with respect to non-compliance with the water meter regulations. One prosecution was authorised for discharging effluent in breach of a regional rule.</p>

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 28 February 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 scheme was expected to become operative on 1 July 2014. In June 2014, the government advised that the scheme has been delayed until 1 July 2015.
All dams constructed in Otago after 1 July 1992 comply with the building code (Building Regulations 1992).	Refer to targets 2 and 3 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 and 3 below.

Activities planned to achieve the level of service for dam safety

Activities	Achievement to 28 February 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.	Two Dam Building Act applications and one Dam Certificate of Acceptance lodged, all three had decisions made and one Code Compliance Certificate lodged with no decision to date.
2. Investigate dams in Otago likely to be non-compliant with the building code and undertake enforcement action where necessary.	One Notice to Fix was issued which require the dam owner to undertake remedial work. Two further notices have been issued requiring a dam owner to remove or repair the dams.
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.	Work not undertaken yet - Regulations are not yet promulgated.

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 28 February 2015
No major harbour incidents.	There have been no major harbour incidents in this reporting period.

Activities planned to achieve the level of service for harbour safety

Activities	Achievement to 28 February 2015
1. Complete the Port Harbour Safety Code.	Work in progress.
2. Review and update of the Otago Harbour bylaws.	No progress to date.

Estimated and Actual Costs

Project	Actual to 28 February \$000s	Estimated to 28 February \$000s	Variance () = Unfavourable	Estimated to 30 June 2015 \$000s
Consent Application Processing, reviews & Appeals	707	900	193	1,362
Consent & Regional Plan Compliance Monitoring	696	831	135	1,253
Dam Safety	117	205	88	306
Harbour Management	70	129	59	194
Total	1,590	2,065	475	3,115

Estimated and Actual Revenue

Project	Actual to 28 February \$000s	Estimated to 28 February \$000s	Variance () = Unfavourable	Estimated to 30 June 2015 \$000s
Consent Application Processing, reviews & Appeals	538	741	(203)	1,112
Consent & Regional Plan Compliance Monitoring	178	342	(164)	513
Dam Safety	37	155	(118)	232
Total	753	1,238	(485)	1,857

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 28 February 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 28 February 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 is expected to be notified by May.
3. Release Council's decision on the Regional Policy Statement by 30 June 2015.	Decisions are now planned to be released in December 2015.

Estimated and Actual Costs

Project	Actual to 28 February \$000s	Estimated to 28 February \$000s	Variance () = Unfavourable	Estimated to 30 June 2015 \$000s
Regional Policy Statement	670	557	(113)	837
Strategic Initiatives	51	41	(10)	62
Total	721	598	(123)	899

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 28 February 2015
Completion of statutory planning and reporting documents, (LTP and Annual Report) within statutory requirements. (2012/13 – all statutory requirements met).	Target met. Annual report was completed during the period.
Measure 2 All Council meetings conducted in compliance with statutory requirements.	
Target Measure of Success	Actual Measure at 28 February 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. (2012/13 – public notices were given for all meetings, and all agendas were on the website prior to the meeting).	Public notice was given for all meetings of Council and Committees, and agendas made available on the Council's website prior to the meetings.

Activities planned to achieve the level of service for public awareness

Activities	Achievement to 28 February 2015
1. Provide regular information to the media about the activities of Council.	32 media releases, 47 public notices on the website and 92 social media releases on both facebook and twitter were made during the period.
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. 	Brochures and reports produced during the eight month period include: <ul style="list-style-type: none"> ▪ 12 State of the Environment report cards, ▪ Four newsletters published - Otagowide, Waterlines and Leaders Brief ▪ 6A Fact Packs included six fact sheets, ▪ two brochures on consents and permitted

<p>Information provided to include:</p> <ul style="list-style-type: none"> • Compliance with consents and permitted activity rules; • Pollution problems; • Policy and plan information; • Resource consent processes. 	<p>activities,</p> <ul style="list-style-type: none"> ▪ two brochures on pollution problems, ▪ two publications produced on policy and plan information.
<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>No requests for field day were received during the period.</p>
<p>4. Review and update the <i>Environmental Considerations</i> booklets.</p>	<p>The Environmental Considerations booklets are being 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>Three meetings with Iwi representatives and one meeting with Te Ropu Taiao were held during the period.</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 - \$233,000 • TbFree - \$100,000 • Farm awards \$13,000
<p>7. Sponsor the completion of the graduate research project on Landscape Management.</p>	<p>Postgraduate project has been reported to Council.</p>
<p>8. Submit on the following, where they affect Council's responsibilities and functions:</p> <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>Feedback is provided as necessary, and has included an appeal with the Clutha District Council on Proposed Plan Change 28 regarding building in a flood prone area to give better effect to the Milton 2060 Strategy.</p>

Estimated and Actual Costs

Project	Actual to 28 February \$000s	Estimated to 28 February \$000s	Variance () = Unfavourable	Estimated to 30 June 2015 \$000s
Public Information Project	784	836	52	1,255
Iwi Relationships	71	67	(4)	101
Financial Contributions	468	487	85	731
Responses to Issues	123	129	6	194
Councils & Committees	871	891	20	1,337
Total	2,251	2,410	159	3,619

Estimated and Actual Revenue

Project	Actual to 28 February \$000s	Estimated to 28 February \$000s	Variance () = Unfavourable	Estimated to 30 June 2015 \$000s
Public Information Project	1	10	(9)	15
Financial Contributions	0	77	(77)	115
Responses to Issues	1	0	1	0
Councils & Committees	2	0	2	0
Total	4	87	(83)	130

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 28 February 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.	The highest level reached was 134.13m above mean sea level, recorded on 03 August 2014.
Target Measures of Success	Actual Measure at 28 February 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. Provision has been made for scheme completion in the Draft Long Term Plan.
Target Measures of Success	Actual Measure at 28 February 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 to 160 cubic metres per second.	No flooding occurred in the Upper Ponding area. Peak flows at Outram reached 74m ³ /s on 16 August 2014 and the Silverstream reached 6.5m ³ /s on 17 September 2014.

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 in the period.
Target Measures of Success	Actual Measure at 28 February 2015
<i>Shotover River Delta</i> Surface of Shotover River delta is consistent with target profile.	Working with extractors is underway to ensure surface is consistent with the target profile. Information will be collected to report on any changes to the surface profile.
Target Measures of Success	Actual Measure at 28 February 2015
<i>Lower Clutha Flood & Drainage Scheme</i> Convey all floods with no failure of any scheme floodbank.	No breaches in period. Peak flows for Balclutha reached 1,120m ³ /s on 3 August 2014 and 330m ³ /s on 8 September 2014.
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 in period. Highest level reached was 1,120m ³ /s on 3 August 2014.
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.	Daily rainfall exceeded 7.5mm 18 times for Matau District, 9mm 13 times for the Inch Clutha District and 10mm 12 times for the Paratai District - all measured at Balclutha.
Target Measures of Success	Actual Measure at 28 February 2015
<i>East Taieri Drainage Scheme</i> 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.	Daily rainfall (as measured at Riccarton Road) exceeded 8mm on eight occasions, and 18mm on four occasions.
Target Measures of Success	Actual Measure at 28 February 2015
<i>West Taieri Drainage Scheme</i> Provide drainage modulus of 10mm per day pumped drainage capacity.	Daily rainfall (as measured at Riccarton Road) exceeded 10mm per day on four occasions.

Target Measures of Success	Actual Measure at 28 February 2015
<p>Tokomairiro Drainage Scheme</p> <p>The drains and channel flow paths within the scheme are maintained to ensure hydraulic capacity.</p>	Drains are being maintained.

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

Activities	Achievement to 28 February 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>	All scheduled work has been undertaken.
<p>2. Make decisions on applications for approvals under the Otago Flood Protection Management Bylaw within 15 working days of receiving the application.</p>	One application received for the Alexandra Rotary Cycle Park and was processed within three days.
<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>	Clearwaters have been awarded the contract for flood hazard mitigation and work is currently underway. Value engineering was undertaken and as a consequence the civil works in this reach will be completed in 2015/16.
<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>	Targets from the 2013/14 annual plan have been completed. The 2014/15 targets have been deferred to the first year of the Long Term Plan.
<p>5. Inspect and clear debris from boulder traps within two weeks following a flood event.</p>	No flood events to date during reporting period.
<p>6. Make decisions on applications for approvals under the Otago Flood Protection Management Bylaw within 15 working days of receiving the application.</p>	One application was received for Leith Street Footbridge – this is in progress.
<p>Lower Taieri Flood Protection Scheme</p> <p>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.</p>	Investigations are underway. Construction is planned 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.	Investigations are underway and on track to complete this financial year.
9. Conduct an information meeting for landholders within the scheme area to explain scheme performance, activities and planned work programmes.	Meeting to be held in April 2015 during the consultation period for the draft 2015-25 LTP.
10. Inspect, operate and maintain flood and drainage scheme assets in accordance with the scheme Asset Management Plan and Operations Manual.	All scheduled work has been undertaken. An agreement has been reached to assist with subsidising work on the Waihola flood-banks with details still to be finalised.
11. Make decisions on applications for approvals under the Otago Flood Protection Management Bylaw within 15 working days of receiving the application.	No applications received in this reporting period.
<i>Lower Clutha Flood and Drainage Scheme</i>	
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.	Preliminary design work in progress, consenting and other approvals will be needed before construction can commence. Construction programme being revised and planned for 2015-25 LTP.
13. Refurbish the Smith Road pump station by 30 June 2015 so as to improve the reliability of the station.	This work is in progress and on target to be completed this financial year.
14. Replace Council owned culvert crossings on an as required basis, based on inspection and condition assessment information.	Culverts are being maintained as required.
15. Conduct an information meeting for landholders within the scheme area to explain scheme performance, activities and planned work programmes.	Meeting to be held in April 2015 during the consultation period for the draft 2015-25 LTP.
16. Inspect, operate and maintain flood and drainage scheme assets in accordance with the scheme Asset Management Plan and Operations Manual.	All scheduled work has been undertaken.
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 and is currently being assessed.

<p>East Taieri Drainage Scheme</p> <p>18. Conduct an information meeting for landholders within the scheme area to explain scheme performance, activities and planned work programmes.</p>	<p>No meetings have been held in period to date.</p>
<p>19. Inspect, operate and maintain drainage scheme assets in accordance with the scheme Asset Management Plan and Operations Manual.</p>	<p>All scheduled work has been undertaken.</p>
<p>20. Make decisions on applications for approvals under the Otago Flood Protection Management Bylaw within 15 working days of receiving the application.</p>	<p>Three applications were received, two in September and one in October. All are currently being assessed.</p>
<p>West Taieri Drainage Scheme</p> <p>21. Upgrade contour channel bridge number 12 to a 0.85 HN (lightly trafficked rural bridge) traffic standard.</p>	<p>Contour bridge number 11 has been upgraded for quad bike and stock only, strengthening channels still to be fitted.</p> <p>No progress on bridge number 12 to date.</p>
<p>22. Conduct an information meeting for landholders within the scheme area to explain scheme performance, activities and planned work programmes.</p>	<p>Meeting to be held in April 2015 during the consultation period for the draft 2015-25 LTP.</p>
<p>23. Inspect, operate and maintain drainage scheme assets in accordance with the scheme Asset Management Plan and Operations Manual.</p>	<p>All scheduled work has been undertaken.</p>
<p>24. Make decisions on applications for approvals under the Otago Flood Protection Management Bylaw within 15 working days of receiving the application.</p>	<p>One bylaw application received, being assessed.</p>
<p>Tokomairiro</p> <p>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.</p>	<p>Deferred to 2015/16.</p>
<p>26. Inspect, operate and maintain the Tokomairiro land drainage works in accordance with the scheme Operations and Maintenance Manual.</p>	<p>All scheduled work has been undertaken.</p>

27. Make decisions on applications for approvals under the Otago Flood Protection Management Bylaw within 15 working days of receiving the application.	No applications were received in this period.
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Estimated and Actual Costs

Project	Actual to 28 February \$000s	Estimated to 28 February \$000s	Variance () = Unfavourable	Estimated to 30 June 2015 \$000s
Alexandra SRD	94	62	(32)	93
Leith Flood Protection	3,145	4,145	1,000	4,969
Lwr Clutha Flood SRD	790	1,035	245	1,431
Lower TaieriSRD	223	399	176	549
West Taieri Drainage	330	247	(83)	472
East Taieri Drainage	191	209	18	313
Toko Drainage	11	53	42	79
Shotover Delta Flood Protection	14	51	37	77
Total	4,798	6,201	1,403	7,983

Estimated and Actual Revenue

Project	Actual to 28 February \$000s	Estimated to 28 February \$000s	Variance () = Unfavourable	Estimated to 30 June 2015 \$000s
Alexandra SRD	60	61	(1)	91
Leith Flood Protection	426	50	376	75
Lwr Clutha Flood SRD	144	83	61	124
Lower TaieriSRD	1	1	0	1
West Taieri Drainage	5	37	(32)	56
East Taieri Drainage	2	2	0	4
Total	638	234	404	351

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 28 February 2015
Investigate all reported blockages obstructing scheduled rivers within 10 working days and action appropriately.	Work has been completed as required for the period.

Activities planned to achieve the level of service for river management

Activities	Achievement to 28 February 2015
1. Complete annual inspections on all rivers specified in Table 1, and undertake maintenance work on those rivers as necessary.	Programme of annual inspections in progress.
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.	No flood events to date for this period. All complaints responded to.
3. Actively develop the implementation of the Kakanui/Kauru River Morphology and Riparian Management Plan.	A consultant was engaged over Nov/Dec 2014 to deliver a River Form and Function of the Kakanui River report. A meeting with Fish & Game and Department of Conservation was held to decide on the spatial representation of values. The Plan is currently being drafted in preparation for the consultation process.
4. Work with Environment Canterbury, landholders and other stakeholders to implement the Lower Waitaki River Riparian Management Plan.	A preferred management approach for the river and its margins has been identified and explained to the liaison group.
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	Reports have been published.

natural hazards to the Waitaki District Council and the local community in early 2015.	
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.

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 28 February \$000s	Estimated to 28 February \$000s	Variance () = Unfavourable	Estimated to 30 June 2015 \$000s
Rivers & Waterway Mgt	761	643	(118)	962
River Surveys	20	16	(4)	24
Total	781	659	(122)	986

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 28 February 2015
Respond to incidents throughout the region within 0.5 hours of receipt of notice.	There were no incidents during the reporting period. Any incidents are responded to immediately upon being received.
Respond to reported marine oil spills in accordance with the Otago Marine Oil Spill Contingency Plan within 1.5 hours of receiving the report.	There were four incidents within the last four months, none of which required a marine oil response.

Activities planned to achieve the level of service for environmental incidents

Activities	Achievement to 28 February 2015
<i>Pollution incidents, oil spills</i>	
1. Operate a 24 hour incidents hotline throughout Otago.	Ongoing. A total of 860 incidents were responded to during the period.
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.	No exercises to date, a pollution desktop exercise was planned for this period but postponed due to the drought.
3. Undertake enforcement action where adverse effects on the environment have occurred that supports such action.	Five infringement notices were issued with for outdoor burning. Eight prosecutions were authorised for the following offences: outdoor burning, discharging effluent in breach of a regional rule and disturbing the bed of a river. Seven water shortage directions were issued during the 4 months, (1 Nov 2014 to 28 Feb 2015). The directions suspended or restricted named permit holders from taking, using, damming or diverting water from the Taieri River.

Contaminated sites	
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.	12 contaminated site investigations were assessed, the Database of Selected Land Uses was updated, and the relevant TLA notified of status updates.
5. Complete three preliminary site investigations for priority sites/activities and present the findings to the land owners and TLA.	No preliminary site investigations have been completed to date.
6. Monitor 10 previously identified sites, in accordance with their site specific monitoring plans and present the findings to the landowner and TLA.	Five previously identified contaminated sites have been monitored during the period to date. Four 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.
7. Complete applications to the Contaminated Sites Remediation Fund (CSRF) on behalf of eligible land owners, and assist with the implementation of those projects.	No applications to date.

Estimated and Actual Costs

Project	Actual to 28 February \$000s	Estimated to 28 February \$000s	Variance () = Unfavourable	Estimated to 30 June 2015 \$000s
Incident Response	629	574	(55)	867
Contaminated Sites Management	50	62	12	94
Total	679	636	(43)	961

Estimated and Actual Revenue

Project	Actual to 28 February \$000s	Estimated to 28 February \$000s	Variance () = Unfavourable	Estimated to 30 June 2015 \$000s
Incident Response	107	245	(138)	368
Contaminated Sites Mgt	0	17	(17)	25
Total	107	262	(155)	393

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 28 February 2015
Provide natural hazards information to the public via an effective web-based Otago Natural Hazards Database.	The database continues to be used by a wide range of people with a total of 1,787 visits being made to the site for the period from July to February.

Activities planned to achieve the level of service for natural hazards

Activities	Achievement to 28 February 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 still planned for 2015/16. A proposal from the University of Otago for investigative work to be undertaken in the South Dunedin area has been received.
2. Undertake a joint Otago Regional Council/-Queenstown Lakes District Council flood awareness campaign in Queenstown and Wanaka in October 2014.	Flood awareness campaign has been 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 has been prepared and waiting on the printers proof to be approved.
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 lifeline utilities to implement that plan.	Action plan has been finalised and distributed to interested parties for comment.

<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>The Lower Clutha Hazards report is nearing completion and the intention is to present to the April committee. A morphology report of the South Otago coastline has been published.</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 - monitoring of the risks has been completed and a draft risk assessment has been prepared. Further work planned with other agencies to identify options to manage risks.</p> <p>Young River Dam - monitoring of the risks has been completed and a draft risk assessment has been prepared. Further work planned with other agencies to identify options to manage risks.</p> <p>Buckler Burn/Bible Stream - monitoring of the risks has been completed and a draft risk assessment has been prepared. Further work planned with other agencies to identify options to manage risks.</p> <p>Brewery Creek/Reavers Lane - monitoring of the risks has been completed and a draft risk assessment has been prepared. Further work planned with other agencies to identify options to manage risks.</p> <p>Abbotsford Lake - monitoring of the risks has been completed and a draft risk assessment has been prepared. Further work planned with other agencies to identify options to manage risks.</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>	
<p>Target Measure of Success</p>	<p>Actual Measure at 28 February 2015</p>
<p>Rainfall and river flow information is disseminated to the public when flood levels reach alarm status.</p>	<p>Information is 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 28 February 2015
1. Operate a 24 hour flood management and response system throughout the year.	Ongoing.
2. Continually update and/or improve flood forecasting models, utilising appropriate software packages.	Lincoln University has been contracted to develop a flood forecasting model for the Pomahaka and is due for completion by end of June 2015.

Estimated and Actual Costs

Project	Actual to 28 February \$000s	Estimated to 28 February \$000s	Variance () = Unfavourable	Estimated to 30 June 2015 \$000s
Natural Hazards	303	395	92	598
Flood Risk Management	261	295	34	442
Total	564	690	126	1,040

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 28 February 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.	No event needing activation has occurred in this period.

Activities planned to achieve the level of service for emergency management

Activities	Achievement to 28 February 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.	Target is being met.
2. Test the Group warning system at least once during the year.	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.	No progress to date but work will be undertaken before end of financial year and will be completed in 2015/16.
4. Facilitate a workshop with Otago lifeline utilities on their interdependences and emergency response priorities and report that information to the Coordinating Executive Group.	A recommendation to form an Otago Lifelines Group was endorsed by the Coordinating Executive Group, the terms of reference are currently being drafted.
5. Develop an Alpine Fault Earthquake Response Plan.	Has not yet commenced. Priority is being given to the preparation of a Coastal Otago Tsunami Plan.

Estimated and Actual Costs

Project	Actual to 28 February \$000s	Estimated to 28 February \$000s	Variance () = Unfavourable	Estimated to 30 June 2015 \$000s
Emergency Management	163	276	113	415
Total	163	276	113	415

Estimated and Actual Revenue

Project	Actual to 28 February \$000s	Estimated to 28 February \$000s	Variance () = Unfavourable	Estimated to 30 June 2015 \$000s
Emergency Management	55	0	55	0
Total	55	0	55	0

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 28 February 2015
Completion of a Regional Land Transport Plan that meets statutory requirements	To report on in last reporting period.

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

Activities	Achievement to 28 February 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.	Currently no funding within the LTP to set up system. Project has halted due to it being classed as preliminary work for the construction of the spatial information system.
3. Prepare the 2015-21 Regional Land Transport Plan.	Target is on track to be met. Hearings have been completed and the committee is formulating its recommendations.
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 and we are most active on QLDC matters. The work is ongoing on an 'as needs' basis. Legislation has changed therefore the RLTP now replaces the RLTS and there is a strategy in the plan.

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 28 February 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%. 	Survey is now scheduled for May 2015.
2. Patronage to grow by at least 1% in 2014/15 in Dunedin.	Will be reported on later in the year.
Measure 2 Fare box recovery.	
Target Measures of Success	Actual Measure at 28 February 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.	Fares are being considered through the draft LTP for Dunedin. However, due to the network changes and new fare structure the Dunedin target is no longer appropriate. Wakatipu continues to be operated on a fully commercial basis.

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

Activities	Achievement to 28 February 2015
1. Monitor departure times of all buses to determine compliance with Regional Passenger Transport Plan standards.	Will be monitored with the satisfaction survey.
2. Install a minimum of 10 new bus shelters on Dunedin routes.	Construction of 21 bus shelters is scheduled for February to April 2015.
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. Council has no control over the commercial services in Dunedin.

<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 April 2015.</p> <p>b) This was investigated but found to not be practical to implement.</p> <p>c) Ongoing, Council is committed to a joint system. Procurement will be finalised in January to March 2015 and the system will be implemented in the 2015/16 year.</p> <p>d) Implementation has commenced in Wakatipu and funding has been included in the LTP for Dunedin, subject to NZTA endorsement.</p> <p>e) Scheduled to be implemented with new services.</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 RTP became operative on 24 December 2014. Approval for the new procurement strategy was received at end of February and the tender document is currently being prepared.</p>
<p>6. Plan the introduction of integrated fare system for Dunedin.</p>	<p>A procurement process is scheduled for March to June with the implementation planned for 2015/16.</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>Work ongoing.</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 28 February 2015
Reduction in the number of complaints received.	No complaints received to date in this reporting period.
Measure 2 Amount of effluent removed from stock truck effluent disposal sites.	
Target Measures of Success	Actual Measure at 28 February 2015
Increase in the amount of effluent removed from each site.	There has been a steady increase in the amount of effluent being removed. A tender document is to be released for maintenance of the effluent site.

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

Activities	Achievement to 28 February 2015
1. Upgrade the Raes Junction stock truck effluent disposal site.	An application to NZTA for funding was made in January. A consultant engagement was confirmed in February and the construction is scheduled for May.
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. 	This activity has been withdrawn from the LTP.

Estimated and Actual Costs

Project	Actual to 28 February \$000s	Estimated to 28 February \$000s	Variance () = Unfavourable	Estimated to 30 June 2015 \$000s
Regional Land Transport Plan	279	299	20	451
Public Passenger Transport	5,830	6,442	612	9,729
STEDS	20	326	306	939
Total	6,129	7,067	938	11,119

Estimated and Actual Revenue

Project	Actual to 28 February \$000s	Estimated to 28 February \$000s	Variance () = Unfavourable	Estimated to 30 June 2015 \$000s
Regional Land Transport Plan	168	259	(91)	239
Public Passenger Transport	3,390	3,603	(213)	5,554
STEDS	8	314	(306)	471
Total	3,566	4,176	(610)	6,264