

7.2 ANNUAL DISTRICT WIDE WATER MONITORING REPORT

Information Only - No Decision Required

Report To:	Regulatory Committee
Meeting Date:	29 July 2021
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1 Summary

- 1.1 Tasman District Council runs a dedicated compliance monitoring program designed to record and report on the consumption of ground and surface water across the regions water management zones. Some of the key tasks are: monitoring compliance with resource consent conditions and the rules controlling taking and using water within the Tasman Resource Management Plan (TRMP); undertaking appropriate enforcement action where water users behavior is below the required level, aiding in the implementation of water restrictions during periods of drought and implement the requirements of the Resource Management (Measurement and Reporting of Water Takes) Regulations 2010 and subsequent amendment regulations 2020.
- 1.2 Key observations from the 2020-2021 season were:
- The Tasman District underwent drought restrictions, which started on 01 February and were in effect at various locations and levels until 29 March 2021.
 - The Dry Weather Taskforce convened on seven occasions to impose or continue restrictions under Section 329 of the Resource Management Act 1991.
 - Stage 1 rationing occurred for the Waimea's on Monday 01 February 2021 and was elevated to stage 2 for both affiliated and unaffiliated consent holders on 8 February 2021. 10 February 2021 saw restrictions lifted for both affiliated and non-affiliated consent holders.
 - The Waimea's subsequently encountered further Stage 1 restrictions at varying times until all Waimea restrictions were removed on 29 March 2021. Restrictions and Cease takes were also implemented for other certain catchments over this period.
 - On 1 March 2021 Dovedale and Motupiko water users went to stage 3 restrictions before Dovedale began moving down stages in response to rainfall. Motupiko water users continued to jump in and out of Stage 2 and 3 until 29 March 2021.
 - A cease take was imposed on Rainy River water users twice in March, the first on 1 March 2021 before lowering to stage 1, and then moving back to a cease take.

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- All restrictions were lifted District-wide by 29 March 2021.
 - Five hundred and thirty three (533) meter audits were carried out this summer season.
 - Resource Consents and Permitted Activity takes administered under the water metering project in the 2020-2021 season decreased from 1,551 to 1,478. Reduction was a result of water management zone renewals. Of these, 1,340 were resource consent authorisations and 138 domestic use in the Moutere Domestic Zones.
 - There were 1,027 active water takes this season. Of those active users, 5% still supply weekly water meter readings via New Zealand Post, 63% are now supplying weekly water meter readings via the Council web page service. Email accounts for 10% of weekly water meter readings, and 10% are filing weekly water meter returns via telemetry. Weekly readings supplied via the mobile phone app have risen to 12%.
- 1.3 This season did not see any significant non-compliance in respect of actual water use. This is due largely to compliance staff ensuring regular communication with consent holders. That said, like others, this season was marred by the number of meter readings not being supplied repeatedly (missing readings). After contact with water users reminding them of the obligations to report weekly water use, those that continued to miss readings received further enforcement action and audit costs referred back to them.
- 1.4 Missing readings resulted in the issue of warnings and Abatement Notices in accordance with the Council's enforcement policies. Compliance issued 201 warnings for missing readings. Of those warnings, 17 were for missing a number of weekly readings then supplying them in bulk and 44 were for failing to notify the Council they had finished irrigating so readings were missing. Nineteen (19) abatement notices were issued for continually failing to provide weekly water meter readings.
- 1.5 The Measurement and Reporting of Water Takes Regulations 2010 required water users to meter water takes in stages (greater than 5l/s, 10l/s and 20l/s). The Tasman Resource Management Plan requires water users to meter takes less than 5l/s. All these meters are required to be verified as accurate. All of the regulation water take categories are beyond five years since introduction and require reverification. Those that have not achieved this are now being followed up with letters.
- 1.6 Compliance staff spent the early part of the season, as usual, communicating with and assisting consent holders to understand requirements of their resource consents. New conditions in numerous resource consents required water users to supply an Irrigation Management Plan (IMP). Numerous consent holders contacted the Council requesting help and explanation around the requirements of an IMP. Compliance staff subsequently created and made available a template, and this provided an easy format with guidance for the customer.
- 1.7 As in previous years, end of water year summaries are in the process of being sent to all consent holders together with graphical representation of their individual water use record

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and the relevant water management zone. This reporting method used for the majority of consent holders is now expected and has previously been well received.

- 1.8 Further process changes were made this season looking to improve the effectiveness of the database. Compliance staff in conjunction with IS are still looking forwards with a view to future improvements identified to make working and reporting access more effective. They will be prioritised against other IS needs in the Council.
- 1.9 One of the aims is access to more real time information for the public on the Councils website. This will improve the Councils communication output, and the ability for the public to gain ready access to up to date information.

2 Draft Resolution

That the Regulatory Committee receives the Annual District Wide Water Monitoring Report.

ANNUAL DISTRICT WIDE WATER MONITORING REPORT**3 Purpose of the Report**

- 3.1 Tasman District Council runs a dedicated programme designed to monitor and report on ground and surface water consumption across the regions identified water management zones.
- 3.2 The programme collates water use data from those taking water under resource consents or who are subject to specific TRMP requirements to provide information on usage. The data received is not only a key plank of measuring compliance with consent conditions, but also providing information to assist in water resource management and aid in the decision making around water restrictions in droughts.
- 3.3 The Council also has an obligation to administer and enforce the provisions of the Resource Management (Measurement and Reporting of Water Takes) Regulations 2010 and achieves that through this programme.
- 3.4 At the conclusion of each water metering season, the Compliance Department who oversees the programme, presents a summary of the season and response to the seasonal trends in the shape of monitoring and enforcement.
- 3.5 The purpose of this report is to present a summary for the 2020-2021 water year.

4 Water Monitoring Programme for 2020-2021 Season**Current administrative programme**

- 4.1 Most water management zones in this district have a metering requirement on abstractive ground and surface takes imposed through either a resource consent or specific rule in the TRMP.
- 4.2 For the users in these zones there is an obligation to furnish weekly usage readings over the water metering period (now 1 July to 30 June) or for the users in the Moutere domestic zone, six monthly readings.
- 4.3 This incoming data forms the basis of the compliance monitoring programme and has three primary objectives:
 - 4.3.1 Monitoring user's compliance with the restrictions imposed in consent conditions and assisting in determining the Council's enforcement response to individual and regional issues as and when detected.
 - 4.3.2 Ensuring comprehensive usage data is available for the purpose of sound decision making on water resource management during a season and any future policy setting.
 - 4.3.3 Ensuring accurate data is collected to meet local and national reporting objectives.

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4.4 Since the introduction of the Reporting of Water Takes Regulations 2010 some years ago, the duties imposed on the Council to administer these regulations have also been incorporated into the programme.

4.5 Resource consented and permitted activity water users administered under the programme in the 2020-2021 season went from 1,551 to 1,478. Reduction was a result of water management zone renewals. This number of accounts comprises the following:

- One thousand, three hundred and forty (1,340) resource consent authorised ground or surface water takes
- One hundred and thirty-eight (138) Moutere domestic (permitted activity) bore takes.

4.6 Of the consented metered takes the following applies:

- One thousand and twenty-seven (1027) were deemed active and required to file weekly water meter readings. These were the consent holders using water over this season and included 22 non-consumptive takes.
- One hundred and thirteen (113) were deemed non-active and not required to file weekly returns. These were consent holders not irrigating. Down from 148 last year.
- One hundred and fifty-six (156) are on future implementation. These are authorised through consent but have not yet been exercised. Down from 251 last year.
- Forty-four (44) accounts are on 'Other' status. These accounts consist of non-consumptive takes and takes from storage.

4.7 Of the Moutere domestic takes the following applies:

- One hundred and twenty-one (121) bores are active and users filing six monthly returns.
- Seventeen (17) are not being used.

Water users preferred data return methods

4.8 Of the 1027 active users who were required to provide water use returns the following methods were used to provide that data to the Council.

- Five percent (5%) still preferred to supply weekly water meter readings using prepaid cards via ordinary post.
- Sixty-three percent (63%) supplied weekly water meter readings electronically via the web page service provided by the Council.
- Ten percent (10%) supplied weekly water meter readings via email.
- Ten percent (10%) provide water meter use via telemetry.
- Twelve percent (12%) supplied water meter readings via mobile phone.

Telemetry

4.9 In the last year, the number of telemetered water meters has increased by nine (9), bringing the total number to 103. These meters cover 89 consents (several consents have more than one meter). Four of the telemetered sites also provide additional data for

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consent requirements, i.e. water level, conductivity. The new meters are predominantly from businesses with multiple meters.

- 4.10 The aligning of the telemetered water meter data with other hydrological data collected by the Environmental Monitoring section continues. With pre-season and post-season checks provided by the consent holder and mid-season meter audits, the data is being archived and quality coded to the National Environmental Monitoring Standards (NEMS) and comments are logged when issues have occurred. The 2019/2020 season quality coding has been completed with 72% of the data coded fair to good quality data. Fourteen percent (14%) of the data was not coded due to no readings being supplied, or the telemetry unit too new to code. The 2020/2021 season is currently being processed.
- 4.11 Issues arising with some of the telemetered data continues. However, compared to the last season, the service providers are reacting quicker and resolving issues in a much timelier manner. Issues have ranged from water meter malfunctions sending erroneous data, to power issues causing data to be lost. Unfortunately, in some instances, the telemetered data appears okay, but the later manual audits highlight missing or erratic data.
- 4.12 There are still eight (8) water meters that need telemetry installed as a result of the Waimea Dam project. The implementation of the Waimea Community Dam means that the unaffiliated permit holder conditions require consent holders who take more than 2000 cubic meters of water per week to install telemetry on their water meter. This installation must be done prior to 1 July 2021. This date allows time to have equipment installed and testing to ensure the system is working prior to the 2021/2022 summer irrigation season.
- 4.13 The Resource Management (Measurement and Reporting of Water Takes) Amendment Regulation 2020 did not impose mandatory telemetry for all water users but gave a mechanism where councils could impose that requirement. The Council has elected not to require telemetry for all takes and to continue with current measuring and reporting processes.

Monitoring and Enforcement for 2020-2021 Season

- 4.14 The weather this season was milder than the previous two years. However, restrictions came into effect at the beginning of February and were in place across the district at varying stages until the end of March. During that dry period the Waimea zones moved mainly up and down rationing stages one and two. Dovedale and Motupiko zone users spent much of this period between level two and three. Cease take was applied to the Rainy River Zone twice in March. Restrictions were removed across the whole district by the end of March.

Missing Readings

- 4.15 The big issue this season was the number of meter readings not being supplied repeatedly (missing readings), even after numerous reminders. Two hundred and one (201) missing reading warnings were issued in total.

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- 4.16 Providing meter readings is a consent condition requirement. Staff have issued 201 warnings via formal letters. These are recorded against the water user's account and can be considered when deciding any future enforcement action.
- 4.17 Numerous water users seemed to miss a number of weeks readings, then supply them in bulk. These water users have been advised that readings are required weekly during the season in line with resource consent conditions for accurate water usage data to be available in any rationing decision making. Of the warnings, 17 were issued for this.
- 4.18 Missing readings also continue to be an issue for staff even toward the end of the season. One problem is the perceived importance (or lack thereof) of providing weekly water meter readings once rain starts and there are no water restrictions, or there is intermittent use due to rain. Whilst consent holders are required to provide meter readings all year round, when they inform Council, water used for irrigating has ceased. The Council allows users to stop supplying readings until the following season commences. Advice must be given to Council that use has ceased and water accounts are then switched from 'Active' to 'Finished' status. The Council cannot assume that water use has ceased for the season because readings stop being supplied for obvious reasons. For that reason, users are reminded of this via correspondence sent every season. Of the warnings, 44 were issued for this failing by consent holders.

Excessive Water Use

- 4.19 Four hundred and seventy-four (474) overtakes were recorded throughout the 2020-2021 water season which is down on 753 recorded the previous year. Enforcement staff have investigated the reason for each non-compliant reading received.
- 4.20 Some non-compliance was accounted for as unreported water used over the winter period which calculates when the summer season starts and allocation sharing, which is not a true overtake if spread over legitimate accounts.
- 4.21 Further overtakes were the result of inclusion of water coming from storage, consent holders missing readings or where use had included the taking of stock water which is not limited.
- 4.22 Once these and meter and equipment faults were removed there were 60 genuine water overtakes.
- 4.23 All excessive water use situations were investigated and assessed. For minor overtakes or if appropriate for the first instance of non-compliance, warnings were used as a means of addressing the non-compliance and gaining future compliance. Past warnings (should they exist) are considered in determining enforcement options for non-compliance.
- 4.24 No infringement fines were issued for excessive overtakes this water season.

Water Meter Auditing

- 4.25 The 'anytime, anywhere' water meter audit continued throughout this water year. The Council performed 533 audits over the 2020-2021 irrigation season. Some meters were audited more than once to ensure water use data was accurate.

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Table 1

Area Covered	Accounts Audited	Number of Times Audited	Total Audits	Percentage of Total
District Wide	475	1	475	89%
	29	2	58	11%
Total Audits	533		533	

4.26 Meter audits include a reading of the meter dial, ensuring integrity of the seal and obtaining an updated (digital) photographic record of the meter.

Moutere Domestic Metering

4.27 The TRMP also requires Moutere domestic (permitted activity) takes to install meters and provide a single reading in April and then in November.

4.28 As at 30 June 2021, a total of 138 Moutere domestic bores have been identified and registered on the database. While that is the total registered, 17 are not being used.

4.29 In respect to these domestic meters, water use data readings are required in April and November each year.

5 Water Rationing and the Dry Weather Task Force

5.1 The Dry Weather Taskforce convened on seven occasions to consider and impose restrictions under Section 329 of the Resource Management Act 1991 due to the water shortage that occurred over the January to March months.

5.2 As in previous irrigation seasons, Compliance staff communicated with water users at the earliest opportunity upon implementation of rationing to help them make operational decisions.

5.3 Stage 3 rationing, which is a 65% cut to the maximum allowable weekly volume, was put in place at times for the Dovedale and Motupiko water users and a cease take was imposed on Rainy River users twice in March.

5.4 The following is a timeline of the meetings and rationing stages as they were imposed over this period.

Table 2

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DWTF Meet Date	Effective Date	S329 type	Rationing step	Zones affected
26/01/2021	1/02/2021	329	Stage 1	Delta, Delta Unaffiliated, Delta Affiliated, Golden Hills, Golden Hills Unaffiliated, Golden Hills Affiliated, Reservoir, Reservoir Unaffiliated, Reservoir Affiliated, Upper Catchments, Upper Catchments Unaffiliated, Upper Catchments Affiliated, Upper Confined Aquifer, Upper Confined Unaffiliated, Upper Confined Affiliated, Waimea West, Waimea West Unaffiliated, Waimea West Affiliated, Redwood.
2/02/2021	8/02/2021	329	Stage 1	Motupiko, Waimea Hope Minor Aquifers, Hope & Eastern Hills Affiliated, Hope & Eastern Hills Unaffiliated, Waimea Lower Confined Aquifer, Lower Confined Aquifer Affiliated, Lower Confined Aquifer Unaffiliated
			Stage 2	Delta, Delta Unaffiliated, Delta Affiliated, Golden Hills, Golden Hills Unaffiliated, Golden Hills Affiliated, Reservoir, Reservoir Unaffiliated, Reservoir Affiliated, Upper Catchments, Upper Catchments Unaffiliated, Upper Catchments Affiliated, Upper Confined Aquifer, Upper Confined Unaffiliated, Upper Confined Affiliated, Waimea West, Waimea West Unaffiliated, Waimea West Affiliated, Redwood.
	10/02/2021	Direction	Removed	Motupiko, Waimea Hope Minor Aquifers, Hope & Eastern Hills Affiliated, Hope & Eastern Hills Unaffiliated, Waimea Lower Confined Aquifer, Lower Confined Aquifer Affiliated, Lower Confined Aquifer Unaffiliated Delta, Delta Unaffiliated, Delta Affiliated, Golden Hills, Golden Hills Unaffiliated, Golden Hills Affiliated, Reservoir, Reservoir Unaffiliated, Reservoir Affiliated, Upper Catchments, Upper Catchments Unaffiliated, Upper Catchments Affiliated, Upper Confined Aquifer, Upper Confined Unaffiliated, Upper Confined Affiliated, Waimea West, Waimea West Unaffiliated, Waimea West Affiliated, Redwood.
16/02/2021	22/02/2021	329	Stage 1	Moutere Eastern, Motupiko, Rainy, Dovedale (surface and groundwater)
23/02/2021	1/03/2021	329	Stage 1	Moutere Western, Glenrae, Stanley Brook, Tapawera, Tadmor, Baton, Wangapeka, Waimea Delta, Delta (unaffiliated) Delta (affiliated), Waimea golden Hills, Golden Hills, Golden Hills (affiliated), Golden Hills (unaffiliated), Redwood, Waimea Reservoir, Reservoir (affiliated) Reservoir (unaffiliated) Waimea Upper Confined Aquifer, Upper Confined Aquifer (affiliated) Upper Confined Aquifer (unaffiliated), Waimea Upper Catchments, Upper Catchments (affiliated), Upper Catchments (unaffiliated), Waimea West, Waimea West (affiliated), Waimea West (unaffiliated)
			Stage 1 Cont	Moutere Eastern Groundwater
			Stage 3	Dovedale Groundwater, Dovedale surface water, Motupiko
			Cease Take	Rainy
	26/02/2021	Direction	Stage 2	Dovedale Groundwater, Dovedale surface water, Motupiko

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DWTF Meet Date	Effective Date	S329 type	Rationing step	Zones affected
			Removed	Glenrae, Stanley Brook, Tapawera, Tadmor, Baton, Wangapeka, Waimea Delta, Delta (unaffiliated), Delta (affiliated), Waimea Golden Hills, Golden Hills (affiliated), Golden Hills (unaffiliated), Redwood, Waimea Reservoir, Reservoir (affiliated) Reservoir (unaffiliated) Waimea Upper Confined Aquifer, Upper Confined Aquifer (affiliated) Upper Confined Aquifer (unaffiliated), Waimea Upper Catchments, Upper Catchments (affiliated), Upper Catchments (unaffiliated), Waimea West, Waimea West (affiliated) Waimea West (unaffiliated)
	3/03/2021	Direction	Stage 1	Dovedale Groundwater, Dovedale surface water, Motupiko, Rainy
			Stage 1 cont	Moutere Eastern, Moutere Western
9/03/2021	9/03/2021	Direction	Stage 1 cont	Dovedale Groundwater, Dovedale surface water, Motupiko, Rainy, Moutere Eastern
			Removed	Moutere Western
16/03/2021	16/03/2021	Direction	Removed	Moutere Eastern Groundwater
	22/03/2021		Stage 1 Cont	Dovedale Groundwater, Dovedale surface water
			Stage 2	Motupiko
23/03/2021	29/03/2021	329	Stage 1 Cont	Dovedale Surface, Dovedale Groundwater
			Stage 1	Waimea Delta, Delta (unaffiliated), Delta (affiliated), Golden Hills (affiliated), Golden Hills (unaffiliated), Redwood, Reservoir (affiliated) Reservoir (unaffiliated) Upper Confined Aquifer (affiliated), Upper Confined Aquifer (unaffiliated), Upper Catchments (affiliated), Upper Catchments (unaffiliated), Waimea West (affiliated), Waimea West (unaffiliated)
			Stage 3	Motupiko
			Cease Take	Rainy
	29/03/2021	Direction	Removed	Waimea Delta, Delta (unaffiliated), Delta (affiliated), Golden Hills (affiliated), Golden Hills (unaffiliated), Redwood, Reservoir (affiliated) Reservoir (unaffiliated) Upper Confined Aquifer (affiliated), Upper Confined Aquifer (unaffiliated), Upper Catchments (affiliated), Upper Catchments (unaffiliated), Waimea West (affiliated), Waimea West (unaffiliated), Motupiko, Rainy, Dovedale Surface, Dovedale Groundwater

6. Resource Management (Measurements and Reporting of Water Takes) Regulations 2010 and Tasman Resource Management Plan (TRMP) Reporting of Water Take Requirements.

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- 6.1 Overall, administration requirements of the water metering programme continue with the requirements of the National Regulations and TRMP. Re-verification of meters recording water takes are now being followed up.
- 6.2 The TRMP requires meters for takes of less than five litres/second and this applies to 267 water takes. These water takes were to have their meters verified as accurate by November 2019.
- 6.3 The total number of meters that are required to be verified is 1141.
- 6.4 To date, 763 water takes have provided evidence of their water meters being verified as accurate.
- 6.5 The remaining 378 are split into two groups. One hundred and eighty-two (182) water takes are overdue now for their second test and the remaining 196 are non-compliant with verification requirements. These have been followed up by letter on 1 June 2021.

7. Policy / Legal Requirements / Plan

- 7.1 One of the main objectives of the water metering programme is to provide the Council, resource users and the community, data on the consumptive use of water in the individual management zones and the compliance behaviour of the users. This data provides information on the volumes, pattern of use, return rates and the stages and effects of rationing in the individual zone. Presentation of this information in an annual summary report is an essential part in the Council meeting this requirement. Graphical representation of each water management zone and the report is also provided on the Council's website www.tasman.govt.nz for public viewing. The 2020-21 water year will be uploaded in July once the end of year wrap-up is complete.
- 7.2 The Council also has an obligation to report to the Ministry for the Environment (MFE) on the district's performance with respect to implementation of the Resource Management (Measurement & Reporting of Water Takes) Regulations 2010. This occurs annually as and when it receives the request. At present this is done through spreadsheets as there is no data share mechanism.

8. Consideration of Financial or Budgetary Implications

- 8.1 A summary of the Compliance Monitoring Water income/costs for the 12-month period ending 30 June 2021 is as follows.
 - 8.1.1 Budgeted expenditure for the 2020/21 year was \$210,799. Total actual expenditure for the period was \$176,948. Total operating funding for the period was \$370,277.
- 8.2 The programme was 37% water user funded this year.

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- 9.1 In addition to the routine collection, monitoring and reporting of water use data during the season, other critical water monitoring administrative tasks place significant demand on staff time in the lead up and after the main season. These include:
- 9.1.1 Pre-summer season set up. Considerable staff time is dedicated to preparation for the upcoming summer. This is typically reviewing and uploading new consents and renewals, database and data integrity audits, alerts to water users of the pending start. Also communicating specific regulation or consent requirements such as Irrigation Management Plans (IMP's) which were new to most consent holders requiring them, and contacting those not using water for confirmation that the non-use situation remains.
 - 9.1.2 End of water year reporting. This is an important feedback mechanism to water users at the personal level and forms an integral part of the overall reporting process. While this takes a considerable amount of staff time generating this data it is considered well worth the effort and is typically well received by the majority who receive it. The reporting consists of a summary letter, graph of the individual and relevant zone usage, commentary on consent condition performance together with any identified deficiencies. The end of year graphs are being prepared at the time of writing this report.
 - 9.1.3 Electronic records. There are now 103 telemetered water meters over 89 consents i.e., several accounts have more than one meter. The supply of electronic data in this format has increased under the provisions of the Tasman Resource Management Plan with the requirement to install telemetered water monitoring equipment. Unaffiliated resource consent holders who take more than 2000 cubic meters of water per week, have been advised in writing that their telemetry installation is required prior to 1 July 2021. The Council continues to develop processes to adequately manage this data stream (refer to telemetry comments for further comment). Despite the real time nature of this data there is still a requirement for active staff involvement with telemetered sites to ensure the integrity of information received and its correct storage.
 - 9.1.4 Main database changes. The rapid changes occurring in the management and reporting of water use has meant demand for increased database functionality. Further improvements and changes have been identified that should enhance information management in and out. Data is currently managed as best as possible with a view to system improvements. This will be implemented when IT support becomes available.

10 Conclusion

- 10.1 Water user compliance requires significant Council administrative and field effort. Significant interaction between consent holders and Council staff is required to achieve

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consistent compliance every season. This was highlighted again this season with the introduction of the Irrigation Management Plans (IMP) for numerous water users.

- 10.2 Non-compliance with meter returns continues with many missing readings this summer. This season a record number of warnings were issued in writing. As always, Compliance staff assess each case of non-compliance and, where possible, place emphasis on education and encouragement to achieve compliance.
- 10.3 Whilst there were still numerous overtakes this season most of these were technical as opposed to actual and there was much less repeat offending so only a few warnings were issued.
- 10.4 Use of the mobile phone application and other electronic methods of meter returns have increased slightly this season. There are still approximately 5% of consent holders who for varying reasons, do not utilise electronic technology to provide returns. As a result, the old paper system still remains. Whilst this remains, there will be some cost to the Council in time and resources, especially when providing reports or communications such as mail-outs.
- 10.5 The Waimea Community Dam transition phase is still in place in the water metering programme.
- 10.6 Telemetry is a growing method for monitoring water use. This will increase further as some consent holders unaffiliated to the Waimea Dam project are now required to install telemetry to report water use.
- 10.7 The expanding water programme has had a significant impact on the Council's database requirements. This past summer season alongside our IS team, Compliance staff implemented an automated accepting process to readings received via the web or mobile app, this saw around 50% of readings reduced from the compliance administration manual process of accepting readings weekly. Administrative requirements have increased with the inclusion of Irrigation Management Plans and variations to our Water Consent Monitoring (WCM) database that have been implemented to administer these.
- 10.8 Next summer season we expect to see further change. Currently, telemetered water meter readings are sent to Hilltop before being manually uplifted into the WCM. IS staff are creating a link to automate this process which will mean these readings appear in the WCM as soon as received. This will move the administration of these readings from Council's hydrology team to Compliance.
- 10.9 Other changes have been identified in the water metering audit programme and we hope to see a version-3 to the existing database in the near future to bring all audits online.
- 10.10 Consent holders in the Waimea zones are still required to supply Irrigation Management Plans (IMP) to the Council by 31 August this year. The IMP is to be reviewed and updated if required and submitted annually. This is in accordance with Schedule 31E of the TRMP.
- 10.11 Tasman District Council appears to be well positioned under in the implementation of the Measurement and Reporting of Water Take Regulations.

ANNUAL DISTRICT WIDE WATER MONITORING REPORT**11 Next Steps / Timeline**

- 11.1 Follow up on unaffiliated water users who require telemetry due by 01 July 2021.
- 11.2 Follow up on Moutere Domestic water user six monthly readings 05 July 2021.
- 11.3 Irrigation Management Plans required by 31 July 2021.
- 11.4 Water meter verification updates required by 31 July 2021
- 11.5 2021-22 preseason letters to go out by end of September 2021.
- 11.6 November 2021 the new water season commences.

12 Attachments

Nil