

Cover photo : Plenty River by Doug Gimesy



# Stream Flow Management Plan Annual Report 2023-24

## Supplementary Data

Annual report for Melbourne Waters Stream Flow Management Plans (SFMPs): Hoddles Creek, Little Yarra and Don Rivers, Olinda Creek, Plenty River, Steels, Pauls and Dixons Creeks, Stringybark Creek, Woori Yallock Creek.

Stream Flow Management Plan Annual Report 2023-24 |

Table 1. Hoddles Creek SFMP Annual Report Checklist				2022-23	2023-24
Prescription No.	Prescription	Compliance	Supporting Data	Comments	Comments
8	<p><b>PERMISSIBLE CONSUMPTIVE VOLUME (PCV)</b></p> <p>8.1 The recommended permissible annual volume of surface water in the Protection Area is 1207 ML plus the volume of registration licences and any licences issued under section 51A.</p> <p>8.2 Melbourne Water may, from time to time, request the Minister to declare a new permissible annual volume which reflects the volume of all-year licences surrendered or cancelled in, or transferred out of, the Protection Area since the Minister last declared a permissible annual volume.</p> <p>Note: Section 22A gives the Minister power to declare a permissible annual volume from time to time by Order published in the Government Gazette.</p> <p>Section 51(1A) allows a person to apply for a registration licence during the period 1 July 2002 and 30 June 2003. Section 51A allows a person to surrender a registration licence and apply for a licence under section 51(1)(a) or (ba) and Melbourne Water must within 14 days issue a licence for the same annual volume as the registration licence.</p>	Yes	PCV Orders made by the Minister for Water		No Change to PCV
9	<p><b>PROHIBITIONS ON GRANTING NEW LICENCES</b></p> <p>9.1 Melbourne Water must refuse an application under section 51(1)(a) or (ba) of the Act in the Protection Area, if in its opinion, the approval of the application will or may cause:</p> <p>(a) subject to clause 9.3, the total volume of water taken and used in the Protection Area in any year under all-year licences to exceed 457 ML plus the volume of registration licences and any licence issued under section 51A; or</p> <p>(b) the total volume of water taken from waterways or collected in dams in the Protection Area under any winter-fill licences during a winter-fill period, to exceed 750 ML.</p> <p>Note: Section 55(26) of the Act also prevents Melbourne Water from granting a licence if, in its opinion, the allocation or use of water under the licence will or may result in the permissible annual volume for that year or a future year, being exceeded.</p> <p>9.2 By 1 October 2003, Melbourne Water must determine and notify the Minister of, the total volume of water for which:</p> <p>(a) licences have been issued under section 51A; and</p> <p>(b) registration licences have been issued under section 51(1A), of the Act within the Protection Area.</p> <p>9.3 The volume referred to in 9.1(a) will reduce to reflect the volume of all-year licence, other than a registration licence, surrendered, cancelled or transferred out of the Protection Area.</p>	Yes	<a href="#">Diversion Data Model and Reporting-20240102 - Power BI</a>	Nil	Management of Licence volumes are well within the allocation caps
10	<p><b>TRANSFERRING LICENCES</b></p> <p>Note: Section 62 of the Act empowers Melbourne Water to approve an application temporarily or permanently to transfer a licence.</p> <p>10.1 Subject to clause 10.2, Melbourne Water must not approve an application to transfer a licence, to take water from a waterway, or to collect water in a dam at a location:</p> <p>(a) upstream of Yellow Gum Road, unless the proposed transferee will take or collect water under the transferred licence downstream of that location; or</p> <p>(b) outside the Protection Area to a location within the Protection Area unless the target stream flow at the Launching Place gauging station of 6.9 ML per day in the period from 1 December to 31 May in any year can be achieved.</p> <p>10.2 Melbourne Water may approve the transfer of a licence resulting from the transfer or conveyance of land providing the location at which water is taken or collected will not, change.</p>	Yes	Victorian Water Register	Victorian Water Register	All transfers were permanent and stayed within the Hoddles Creek catchment.  All transfers in accordance with Melbourne Water's requirements as delegated Diversion Manager and prescription 10.
11	<p><b>NEW DAMS</b></p> <p>After the commencement of this Plan, Melbourne Water must not issue any licence under section 67 of the Act to construct a dam on a waterway within the Protection Area.</p>	Yes	<a href="#">Number of new dam on waterway licences.</a>	Victorian Water Register	Compliant
12	<p><b>ROSTERS AND RESTRICTIONS</b></p> <p>12.1 Melbourne Water may, from time to time, prepare and implement rosters or restrictions or other arrangements for taking and using water, in accordance with the principles specified in Schedule 3.</p>	Yes	<a href="https://info.mwc.melbournewater.com.au/info/c/s/e/properties/68623177">https://info.mwc.melbournewater.com.au/info/c/s/e/properties/68623177</a>	<a href="https://info.mwc.melbournewater.com.au/info/c/s/e/properties/68623177">https://info.mwc.melbournewater.com.au/info/c/s/e/properties/68623177</a>	No rosters or restrictions developed for Hoddles Creek to date. Low number of users at present accessing water.
13	<p><b>LICENCE CONDITIONS</b></p> <p>For the purposes of section 32A(12) of the Act, a licence granted under section 51(1)(a) or (ba) or renewed under section 58 of the Act for a purpose specified in Schedule 4 is subject to each condition set out in that Schedule, in relation to that purpose.</p>	Yes	Victorian Water Register		Occurring
14	<p><b>STREAM FLOW MONITORING PROGRAM</b></p> <p>Melbourne Water must:</p> <p>(a) continuously record the flows at the Launching Place gauging station; and</p> <p>(b) periodically record flows at the gauge-board at Hazeldene Road when it considers it appropriate to do so; and</p> <p>(c) periodically inspect the condition of the Launching Place gauging station; and</p> <p>(d) maintain the Launching Place gauging station in good condition; and</p> <p>(e) keep a record of each inspection and all work undertaken under paragraph (a), (b), (c) or (d).</p>	Yes			Occurring as required and used to determine Bans and Restrictions. Refer to Melbourne Water Website.
15	<p><b>INSTALLING METERS</b></p> <p>15.1 After the commencement of this Plan, Melbourne Water must, as soon as practicable, ensure that a flow meter is installed to measure water taken for irrigation or commercial purposes under any licence which has been or is thereafter granted within the Protection Area under section 51(1)(a) or (ba) or 51(1A) of the Act.</p> <p>15.2 Melbourne Water must:</p> <p>(a) periodically inspect the condition of each flow meter installed under sub-clause 15.1; and</p> <p>(b) maintain each flow meter in good condition; and</p> <p>(c) replace any damaged flow meter; and</p> <p>(d) keep a record of all work done under paragraph (b) and (c).</p>	Yes	<a href="#">Diversion Data Model and Reporting-20240102 - Power BI</a>	<a href="#">Diversion Data Model and Reporting-20240102 - Power BI</a>	Meter maintenance data captured in Melbourne Water's Asset Management system (Maximo). Maintenance of meters is scheduled every 3 years. Program available from Diversion team.
16	<p><b>READING METERS</b></p> <p>Melbourne Water must:</p> <p>(a) read each meter referred to in sub-clause 15.1 at least:</p> <p>(i) once in every year in the case of an all-year licence; and</p> <p>(ii) shortly after the beginning and end of the winter-fill period in every year, in the case of a winter-fill licence; and</p> <p>(b) record, for each meter:</p> <p>(i) the reading obtained; and</p> <p>(ii) the number of the relevant licence; and</p> <p>(iii) the date on which the meter is read; and</p> <p>(iv) any information about the accuracy of the meter which Melbourne Water considers relevant; and</p> <p>(c) if a meter becomes defective, registers incorrectly or is removed for any reason, estimate the correct registration in any of the following ways:</p> <p>(i) by comparison with the quantity of water taken under similar conditions during some other period; or</p> <p>(ii) by comparison with the quantity of water taken after the meter has been restored to proper order; or</p> <p>(iii) by comparison with the registration of a substitute meter used temporarily in place of the defective meter; or</p> <p>(iv) by applying a correction factor if the meter is found to have a consistent error of registration.</p>	Yes	Diversion Database	Diversion Database	Meter readings carried out in accordance with this clause. Dates and readings recorded in Diversion database.
17	<p><b>MAINTAINING ENVIRONMENTAL FLOWS</b></p> <p>17.1 For the purposes of this clause, a licensee is the holder of a licence issued under section 51(1)(a) of the Act for any purpose other than domestic and stock use.</p> <p>17.2 1 December to 31 May</p> <p>(a) Melbourne Water must do its best to ensure that, during the period 1 December to 31 May in any year, a licensee does not take any water from a waterway when the average streamflow at Launching Place gauging station:</p> <p>(i) is 4ML or less per day, at any time before 31 July 2004; or</p> <p>(ii) is 5ML or less per day, at any time after 31 July 2004.</p> <p>(b) Melbourne Water must, from time to time, when circumstances permit, propose achievable amendments to sub-paragraph 17.2 (a)(i) and (ii), until a target of 6.9 ML per day is attained.</p> <p>17.3 1 June to 30 November</p> <p>Melbourne Water must do its best to ensure that, a licensee does not take any water from a waterway when the average streamflow at Launching Place gauging station is:</p> <p>(a) 10 ML or less per day, at any time during the period of 1 June to 31 October; and</p> <p>(b) 6.9 ML or less per day, at any time during the month of November.</p>	Yes	Diversion Database	Diversion Database	Compliance with licence conditions is monitored using: • Usage data from meters in the catchment; • Acting on reports of non-compliance from the public; and • Undertaking spot checks
18	<p><b>MONITORING THE IMPLEMENTATION OF THE PLAN</b></p> <p>18.1 Within 12 months after the commencement of this Plan, Melbourne Water must propose to the Minister a program to monitor the implementation of the Plan.</p> <p>18.2 A program proposed under sub-clause 18.1 must include arrangements to monitor:</p> <p>(a) the effects of the Plan on the reliability of supply to licensees within the Protection Area; and</p> <p>(b) the ability of the provisions to maintain environmental flows set out in clause 17; and</p> <p>(c) in-stream environmental indicators within the Protection Area; and</p> <p>(d) indicators against which Melbourne Water's performance in implementing this Plan can be measured.</p> <p>18.3 The Minister may:</p> <p>(a) approve a plan proposed under sub-clause 18.1; or</p> <p>(b) approve that plan, subject to amendments made by the Minister; or</p> <p>(c) refuse to approve the plan. 18.4 Melbourne Water must implement a plan in the form approved by the Minister under sub-clause 18.3.</p>	Yes	Annual reporting & 5 Year review	The SFMP monitoring plan is currently being updated to reflect the use of environmental DNA (eDNA) to provide surveillance data for all 7 SFMP catchments.  Long term trends and changes in the condition of priority native fish and platypus are now being monitored using eDNA (this is presence/absence and extent within each SFMP). eDNA data is used in the SFMP 5 year reviews to determine if any change in values	Monitoring and Evaluation of the plan occurs to inform the Annual Reporting and regular 5 year review processes. The SFMP monitoring plan currently includes collection of data for environmental DNA (eDNA) identified for all 7 SFMP catchments.  Long term trends and changes in the condition of priority native fish and platypus are now being monitored using this eDNA (this is presence/absence and extent within each SFMP). eDNA data is used in the SFMP 5 year reviews to determine if any change in values
19	<p><b>REPORTING</b></p> <p>Note: Section 32C and 32D of the Act requires Melbourne Water to report on its activities in carrying out its duties in relation to this Plan in each financial year and to:</p> <p>(a) give the report to the Minister and the Port Phillip Catchment Management Authority by 30 September in each year; and</p> <p>(b) make a copy available for public inspection at its offices.</p>	Yes	<a href="https://www.melbournewater.com.au/media/229269/download">https://www.melbournewater.com.au/media/229269/download</a>		2022-23 Annual Report submitted and received by the Minister within the agreed timeframe and copy available on Melbourne Water Website.
20	<p><b>REVIEW OF PLAN</b></p> <p>Melbourne Water must:</p> <p>(a) review the operation of this Plan:</p> <p>(i) not more than 5 years after it commences; and</p> <p>(ii) thereafter, at intervals of no more than 5 years; and</p> <p>(b) propose any consequential amendment (if any) to the Minister.</p> <p>Note: Sections 29, 31 and 32G of the Act provide for the constitution and convening of a consultative committee to develop any proposed amendment and the process to be followed by the Minister before approving it.</p>	Yes	2021 Five Year Review (available upon request)		Last reviewed in 2021, and is planned for next review in 2026/27

**Table 2. Hoddles Creek SFMP annual reporting data**

	Year	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
<b>Permissible Consumptive Volume (PCV)</b>	Total	1,207	1,207	1,207	1,207	1,207	1,207	1,207	1,207	1,207	1,207	1,207
<b>No. of licences</b>	Total	36	36	35	35	35	35	36	35	35	35	35
	All Year	19	19	18	18	18	18	18	17	17	17	17
	Winter-fill	10	10	10	10	10	10	10	10	10	10	10
	Farm Dam Registration	5	5	5	5	5	5	6	6	6	6	6
	Farm Dam Licence	2	2	2	2	2	2	2	2	2	2	2
<b>Total allocated volume (ML)</b>	Total	736	736	674	674	674	674	676	674	674	674	674
	All Year	439	439	377	377	377	377	377	375	375	375	375
	Winter-fill	168	168	168	168	168	168	168	168	168	168	168
	Farm Dam Registration	83	83	83	83	83	83	85	85	85	85	85
	Farm Dam Licence	46	46	46	46	46	46	46	46	46	46	46
<b>No. of metered licences</b>	Total	14	14	13	13	13	13	15	12	12	12	14
<b>Volume of licences metered (ML)</b>	Total	533	533	413	413	413	413	458	344	344	344	518
<b>Total metered use (ML)</b>	Total	165.5	163.3	181.1	123.8	182.1	165.93	116.72	53.57	97.78	65	130.7
<b>Metered use as % of metered allocation</b>	Total	31.10%	30.60%	43.85%	29.98%	44.09%	40.18%	25.48%	15.57%	28.42%	18.90%	25.23%
<b>Metered use as % of PCV</b>	Total	13.70%	13.50%	15.00%	10.26%	15.09%	13.75%	9.67%	4.44%	8.10%	5.39%	10.83%
<b>No. of licences with use greater than allocation</b>	Total	0	1	0	0	0	0	0	0	0	0	1
<b>Allocation surrendered within the WSPA (ML)</b>	Total	0	0	2	0	0	0	0	2	0	0	0
<b>New allocation issued within the WSPA (ML)</b>	Total	0	0	0	0	0	0	2	0	0	0	0
<b>Permanent transfers within Water Supply Protection Area (WSPA) (ML)</b>	Total	1	2	0	13	2	2	52	0	12	144	4
<b>Temporary transfers within WSPA (ML)</b>	Total	0	0	0	0	0	0	0	0	0	0	0
<b>Permanent transfers out of WSPA (ML)</b>	Total	0	0	60	0	0	0	0	0	0	0	0
<b>Temporary transfers out of WSPA (ML)</b>	Total	0	0	0	0	0	0	0	0	0	0	0
<b>Number of new dam on waterway licences issued</b>	Total	0	0	0	0	0	0	0	0	0	0	0
<b>Number of days on ban</b>	Total	95	141	245	153	141	320	137	73	47	30	111
<b>Number of days on rosters</b>	Total	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0	0

(-) not previously reported on as an individual figure in the SFMP annual report.

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Table 3. Little Yarra and Don Rivers SFMP Annual Report Checklist				2022-23	2023-24
Prescription No.	Prescription	Compliance	Supporting Data	Comments	Comments
1.	<p><b>PROHIBITIONS ON GRANTING NEW LICENCES</b></p> <p>Section 32A(3)(d) of the Act allows for a management Plan to prescribe restrictions or prohibitions on the issue of licences under section 51 or 67.</p> <p>1.1 Melbourne Water must refuse an application under section 51(1)(a) or (ba) of the Act if this will or may cause the total volume of water taken in any year under licences to exceed:</p> <ul style="list-style-type: none"> <li>a) The Permissible Consumptive Volume declared for the Yarra Basin; or</li> <li>b) 1.357 ML in the Little Yarra River catchment; or</li> <li>c) 145 ML in the Don River catchment.</li> </ul> <p>1.2 The above prescription applies except where Melbourne Water renews a surface water licence that authorises the use of surface water in accordance with any state-wide policy approved by the Minister, and the Permissible Consumptive Volume and total catchment licence volumes are deemed to be adjusted by any additional volume of surface water authorised under the renewed licence.</p>	Yes	<p>Diversion Data Model and Reporting-20240102 - Power BI</p>	<p>Diversion Data Model and Reporting-20240102 - Power BI</p>	<p>Management of Licence volumes are well within the allocation caps</p>
2	<p><b>ROSTERING AND RESTRICTIONS</b></p> <p>Section 32A(3)(g) of the Act allows for a management Plan to prescribe restrictions to be imposed on the taking of surface water at any locations specified in the area, if necessary to ensure that – (i) specified flows at any particular time or for any particular circumstance are maintained; or (ii) the permissible consumptive volume for the area is not exceeded; or (iii) the environmental water reserve is maintained in accordance with the environmental water reserve objective.</p> <p>Melbourne Water may prepare and implement rosters or restrictions to specify a maximum volume or percentage allocation of water that a licensee may take or use on any rostered day (or lesser roster period). In developing rosters or restrictions Melbourne Water must have regard to:</p> <ul style="list-style-type: none"> <li>(i) The relative requirements of different crops and other uses of land for water;</li> <li>(ii) Differences between the types of licence, maximum volumes which may be taken under licences, and pumping capacities; and</li> <li>(iii) The need for all licensees to have fair and reasonable access to available water, give the matters referred to in subparagraphs (i) and (ii) above.</li> </ul> <p>2.1 The rostering and restriction arrangement for the Little Yarra River will remain as outlined in Melbourne Water’s Drought Response Plan (2007). To enable efficient use, individual metering times can be altered as agreed to with Melbourne Water. The rostering and restrictions for the Little Yarra River are – A maximum of 7 hours between 6am &amp; 9am and 6pm &amp; 10pm on allocated group days, or as agreed with Melbourne Water</p> <p>2.2 The Don River does not currently have any rostering and restriction arrangements in place. However as noted above, Melbourne Water may prepare and implement rosters and/or restrictions if required, whilst having regard to points (i), (ii) and (iii)</p>	Yes	<p>Restriction and ban status   Melbourne Water</p>	<p>Restriction and ban status   Melbourne Water</p>	<p>Melbourne Water imposes restrictions, rosters and bans under the principles and triggers detailed in Melbourne Water’s Drought Response Plan for Licensed Water Users taking into account the requirements of Stream Flow Management Plans where relevant.</p> <p>No rosters and restrictions have been developed for the Don River at this time. Water demand remains low in this catchment and rosters are therefore not warranted.</p>
3	<p><b>TRANSFERRING LICENCES</b></p> <p>Section 32A(3)(d) of the Act allows for a management plan to prescribe conditions to which licences issued under section 51 to take and use surface water and transferred under section 62, are to be subject, including a condition relating to the maximum volume of water which may be taken and used under the transferred licence.</p> <p>3.1 Melbourne Water must refuse an application made under section 62(3) of the Act to permanently or temporarily transfer a licence if this will cause the limits referred to in Prescription 1 to be exceeded.</p> <p>3.2 Melbourne Water may approve an application made under section 62(3) of the Act to permanently transfer a licence into or within the Little Yarra River catchment provided that:</p> <ul style="list-style-type: none"> <li>a) The limits referred to in Prescription 1 are not exceeded; and</li> <li>b) Any licence traded into the Little Yarra catchment is converted to winter-fill; and</li> <li>c) All licences traded upstream are converted to winter-fill; and</li> <li>d) All licences traded downstream within the catchment retain their volume and take period; and</li> <li>e) Any licence traded into or within the Slaty Creek sub-catchment is subject to the total licence allocation in Slaty Creek sub-catchment not exceeding 330 ML.</li> </ul> <p>3.3 Melbourne Water may approve an application made under Section 62(3) of the Act to permanently transfer a licence within the Don River catchment provided that:</p> <ul style="list-style-type: none"> <li>a) The limits referred to in Prescription 1 are not exceeded; and</li> <li>b) For all-year licences traded upstream, the application provide a flow assessment, using the FLOWs methods, which indicates there is no impact to other diverters or the environment as a consequence of the transfer; and</li> <li>c) Licences traded downstream retain their volume and take period.</li> </ul> <p>3.4 No trades will be permitted into the Don catchment for the duration of this plan.</p> <p>3.5 Melbourne Water may grant an application made under section 62(3) to temporarily transfer a licence for up to 1 year, provided the application meets the relevant prescriptions in 3.1-3.4</p>	Yes	<p>Victorian Water Register</p>	<p>3 transfers occurred in the catchment that were related to sale of land and transfer to the new owner/s</p>	<p>All transfers were permanent and stayed within the Little Yarra &amp; Don Rivers catchments.</p> <p>All transfers in accordance with Melbourne Water’s requirements as delegated Diversion Manager.</p>
4	<p><b>METERING AND MONITORING</b></p> <p>Section 32A(3)(a) of the Act allows management plans to prescribe requirements for metering and monitoring.</p> <p>4.1 Melbourne Water must:</p> <ul style="list-style-type: none"> <li>a) Meter all licences over 5 ML, excluding registration licences,</li> <li>b) Read meters and store metering information, and</li> <li>c) Read meters at the start and end of each licence period.</li> </ul> <p>4.2 Melbourne Water must:</p> <ul style="list-style-type: none"> <li>a) Continuously record and store information on flows at the Little Yarra River gauge (229214) and Don River gauge (2292208).</li> <li>b) Periodically inspect the condition of each gauging station,</li> <li>c) Maintain each gauging station in good condition, and</li> <li>d) Keep a record of each inspection and work undertaken under paragraph (b) or (c).</li> </ul>	Yes	<p>Little Yarra River   Melbourne Water</p> <p><a href="https://www.melbournwater.com.au/water-and-environment/water-management/waterway-diversions/don-river">https://www.melbournwater.com.au/water-and-environment/water-management/waterway-diversions/don-river</a></p> <p>Little Yarra River   Melbourne Water</p> <p><a href="https://www.melbournwater.com.au/water-and-environment/water-management/waterway-diversions/don-river">https://www.melbournwater.com.au/water-and-environment/water-management/waterway-diversions/don-river</a></p>	<p>Little Yarra River   Melbourne Water</p> <p><a href="https://www.melbournwater.com.au/water-and-environment/water-management/waterway-diversions/don-river">https://www.melbournwater.com.au/water-and-environment/water-management/waterway-diversions/don-river</a></p>	<p>Meter maintenance data captured in Melbourne Water’s Asset Management system (Maximo). Maintenance of meters is scheduled every 3 years. Program available from Diversion team.</p> <p>Melbourne Water monitors flows continuously at Little Yarra River gauge (229214) and Don River gauge (2292208)</p>
5	<p><b>NEW DAMS, AESTHETIC DAMS AND DAMS ON SUBDIVISIONS</b></p> <p>Section 32A(3)(d) of the Act allows for a management plan to prescribe prohibitions on the issue of licences under section 67.</p> <p>Section 32A(3)(c) of the Act allows for a management plan to prescribe the requirements for the location, capacity and operation of private dams which are – (i) not licensed under section 51, and (ii) not for domestic and stock use. Section 32(3)(n) of the Act allows for a management plan to prescribe the maximum volume of water that may be retained – (i) in each private dam on a particular lot in a plan of subdivision in the area concerned. Section 67 of the Act allows Melbourne Water to grant a licence to construct works etc. This includes operation of dams. Section 71 of the Act empowers Melbourne Water to set conditions for these licences.</p> <p>5.1 Melbourne Water must not issue any licence under section 67 of the Act to construct a dam on a waterway.</p> <p>5.2 The total volume of water that can be retained in domestic and stock dams on subdivided lots must not exceed the greater of:</p> <ul style="list-style-type: none"> <li>a) Those dams that were there before the Plan; or</li> <li>b) A volume that is reasonable to meet the domestic and stock water needs of the land prior to subdivision, calculated in accordance with the approved guidelines.</li> </ul> <p>Once this limit is reached, no additional water can be retained in additional domestic and stock dams.</p> <p>5.3 Melbourne Water must not issue any licence under section 67 to construct an aesthetic dam.</p> <p>5.4 For the purpose of clause 5.3, a dam is:</p> <ul style="list-style-type: none"> <li>a) Deemed to be for aesthetic purposes if it is constructed after the commencement of this plan and is used for recreational purposes; but</li> <li>b) Not deemed to be aesthetic purposes if it is:</li> <li>(i) Constructed or used for domestic and stock and is a reasonable size for its intended use; or</li> <li>(ii) Designed specifically for environmental, rather than aesthetic or recreational purposes and is used for erosion control or biodiversity conservation purposes.</li> </ul>	Yes	<p>Number of new dam on waterway licences.</p>	<p>Number of new dam on waterway licences</p>	<p>Yarra Ranges Shire Council are responsible for subdivisions. We are not aware that any subdivision contained any dams.</p> <p>As a result to our knowledge the total volume of water for domestic and stock purposes has not exceeded the total volume of water from all private dams on that land.</p> <p>Melbourne water undertakes field observations and acts on reports received from the general community to assess the impact of aesthetic dams.</p> <p>No community reports regarding aesthetic dams were received during this reporting period.</p> <p>To Melbourne Water’s knowledge no aesthetic dams exist that breach the requirements of this prescription.</p> <p>Melbourne Water has a project underway to identify changes in farm dam numbers and size using a GIS based tool.</p>
6	<p><b>LICENCE CONDITIONS</b></p> <p>Section 32A(3)(k) of the Act allows for a management plan to prescribe conditions to which licences are issued under section 51 are to be subject.</p> <p>6.1 A licence granted under section 51 of the Act is subject to each condition set out in Schedule 1 – Licence Conditions, in relation to that licence’s purpose. This includes restrictions on the taking of water in order to maintain minimum environmental flows in summer and winter as specified under licence conditions 1.2, 1.4, 1.5 &amp; 1.6 of Schedule 1.</p>	Yes	<p>Victorian Water Register</p>		<p>Occurring</p>
7	<p><b>ANNUAL REPORTING</b></p> <p>Section 32C of the Act requires that the authority that has the duty of administering and enforcing an approved management plan must prepare a report of its activities in relation to the plan.</p> <p>7.1 As part of the annual report, Melbourne Water should undertake an assessment of the following matters:</p> <ul style="list-style-type: none"> <li>a) Changes to the level and type of development within the area including:</li> <li>(i) The extent of water usage resulting from transfers</li> <li>(ii) Location and impact of new take and use licences</li> <li>b) Water usage information</li> <li>c) The effectiveness of management prescriptions in meeting the objectives of the Plan including:</li> <li>(i) Metering,</li> <li>(ii) Flow monitoring,</li> <li>(iii) Restrictions and rosters</li> <li>(d) Including the details and findings of any relevant complementary works or studies (e.g. environmental studies) being undertaken in the catchments.</li> <li>(e) Any difficulties associated with, and progress towards, meeting environmental flows specified in the Plan.</li> </ul>	Yes	<p><a href="https://www.melbournwater.com.au/media/2369/download">https://www.melbournwater.com.au/media/2369/download</a></p>	<p>The SFMP monitoring plan is currently being updated to reflect the use of environmental DNA (eDNA) to provide surveillance data for all 7 SFMP catchments.</p> <p>Long term trends and changes in the condition of priority native fish and platypus are now being monitored using this eDNA (this is presence/absence and extent within each SFMP).</p> <p>Long term trends and changes in the condition of priority native fish and platypus are now being monitored using eDNA (this is presence/absence and extent within each SFMP).</p>	<p>The SFMP monitoring plan currently includes collection of data for environmental DNA (eDNA) identified for all 7 SFMP catchments.</p> <p>Long term trends and changes in the condition of priority native fish and platypus are now being monitored using this eDNA (this is presence/absence and extent within each SFMP).</p> <p>eDNA data is used in the SFMP 5 year reviews to determine if any change in values is required based on findings.</p> <p>2022-23 Annual Report submitted and received by the Minister within the agreed timeframe and copy available on Melbourne Water Website.</p>
8	<p><b>REVIEW OF PLAN</b></p> <p>Section 32A(3)(o) of the Act allows for a management plan to prescribe any matter relevant to the object of the management plan or its implementation.</p> <p>8.1 Melbourne Water must:</p> <ul style="list-style-type: none"> <li>a) Review the implementation of this Plan:</li> <li>(i) Five years after its commencement</li> <li>(ii) Thereafter, at intervals of no more than five years, and</li> <li>b) Assess the effectiveness of management prescriptions in meeting each of the objectives of the Plan, as per section 4 of this Plan.</li> <li>c) Review any consequential amendment (if any) to the Minister.</li> </ul>	Yes	<p>2019 Five Year Review (available upon request)</p>	<p>Melbourne Water has completed this review process in 2019 and recommitted to the Plan unamended.</p>	<p>Melbourne Water completed a review in 2019 and is currently under review. Due for completion by end of 2024.</p>

**Table 4. Little Yarra and Don SFMP annual reporting data**

Year	Year	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	
	<b>Total PAV for Little Yarra and Don River</b>	<b>1,502</b>	<b>1,502</b>	<b>1,502</b>	<b>1,502</b>	<b>1,502</b>	<b>1,502</b>	<b>1,502</b>	<b>1,502</b>	<b>1,502</b>	<b>1,502</b>	<b>1,502</b>	
<b>Permissible Consumptive Volume (PCV)</b>	Little Yarra River	1,357	1,357	1,357	1,357	1,357	1,357	1,357	1,357	1,357	1,357	1,357	
	Don River	145	145	145	145	145	145	145	145	145	145	145	
<b>No. of licences</b>	Little Yarra River												
	Total	115	114	112	112	112	112	112	112	112	110	107	
	All Year	78	77	75	75	75	75	75	75	75	73	70	
	Winter-fill	21	21	21	21	20	20	20	20	20	20	20	
	Farm Dam	15	15	15	15	15	15	15	15	15	15	15	
	Registration	1	1	1	1	2	2	2	2	2	2	2	
	Farm Dam Licence	1	1	1	1	2	2	2	2	2	2	2	
	Don River												
	Total	16	16	16	16	16	14	14	14	14	14	14	
	All Year	15	15	15	15	15	13	13	13	13	13	13	
Winter-fill	0	0	0	0	0	0	0	0	0	0	0		
Farm Dam	1	1	1	1	1	1	1	1	1	1	1		
Registration	0	0	0	0	0	0	0	0	0	0	0		
Farm Dam Licence	0	0	0	0	0	0	0	0	0	0	0		
	<b>Total allocation for Little Yarra and Don River</b>	<b>1,501</b>	<b>1496</b>	<b>1494</b>	<b>1494</b>	<b>1494</b>	<b>1494</b>	<b>1494</b>	<b>1464</b>	<b>1464</b>	<b>1430</b>	<b>1424</b>	
<b>Total allocated volume (ML)</b>	Little Yarra River												
	Total	1,362	1,357	1,355	1,355	1,355	1,355	1,355	1,325	1,325	1321	1315	
	All Year	852	849	845	845	845	845	845	815	815	811	805	
	Winter-fill	289	289	289	289	247	247	247	247	247	247	247	
	Farm Dam	216	216	216	216	216	216	216	216	216	216	216	
	Registration	5	5	5	5	47	47	47	47	47	47	47	
	Farm Dam Licence	5	5	5	5	47	47	47	47	47	47	47	
	Don River												
	Total	139	139	139	139	139	139	139	139	139	109	109	
	All Year	138	138	138	138	138	138	138	138	138	108	108	
Winter-fill	0	0	0	0	0	0	0	0	0	0	0		
Farm Dam	1	1	1	1	1	1	1	1	1	1	1		
Registration	0	0	0	0	0	0	0	0	0	0	0		
Farm Dam Licence	0	0	0	0	0	0	0	0	0	0	0		
<b>No. of metered licences</b>	Little Yarra River	28	28	25	25	26	26	26	27	27	26	30	
	Don River	4	4	4	4	4	4	4	4	4	4	4	
<b>Total metered volume (ML)</b>	Little Yarra River	748	748	727	727	727	664	674	680	680	680	747	
	Don River	99	99	99	99	99	109	109	109	79	79	79	
<b>Total metered use (ML)</b>	Little Yarra River	187.9	159.6	263.67	161.43	172	195.3	117.16	134.48	188.29	164.73	171.77	
	Don River	2.3	0.4	0.67	3.8	0.7	0.4	9.94	0.03	1.02	0.18	5.48	
<b>Metered use as % of metered allocation</b>	Little Yarra River	25.1%	21.3%	36.3%	22.2%	23.7%	29.4%	17.4%	19.8%	27.7%	24.23%	22.99%	
	Don River	2.3%	0.4%	0.7%	3.8%	0.7%	0.4%	9.1%	0.0%	1.3%	0.23%	6.94%	
<b>Metered use as % of PCV</b>	Little Yarra River	13.8%	11.8%	19.4%	11.9%	12.7%	14.4%	8.6%	9.9%	13.9%	12.14%	12.66%	
	Don River	1.59%	0.28%	0.46%	2.62%	0.48%	0.28%	6.86%	0.02%	0.70%	0.12%	3.78%	
<b>No. of licences with use greater than allocation</b>	Little Yarra River	1	0	0	0	0	0	1	1	1	1	2	
	Don River	0	0	0	0	0	0	0	0	0	0	0	
<b>Allocation surrendered within the WSPA (ML)</b>	Little Yarra River	n/a	3	4	0	0	0	30	0	0	4	4	
	Don River	n/a	0	0	0	0	10	0	0	0	0	0	
<b>New allocation issued within the WSPA (ML)</b>	Little Yarra River	n/a	0	0	0	0	0	0	0	0	0	0	
	Don River	n/a	0	0	0	0	0	0	0	0	0	0	
<b>Permanent transfers within WSPA (ML)</b>	Little Yarra River	107	19	18	12	2	15	81	49	67	11	72	
	Don River	4	0	0	2	2	10	0	0	0	0	0	
<b>Temporary transfers within WSPA (ML)</b>	Little Yarra River	0	0	0	0	0	0	2	1	1	0	0	
	Don River	0	0	0	0	0	0	0	0	0	0	0	
<b>Permanent transfers out of WSPA (ML)</b>	Little Yarra River	0	0	0	0	0	0	0	0	0	0	0	
	Don River	10	0	0	0	0	0	0	0	0	0	0	
<b>Temporary transfers out of WSPA (ML)</b>	Little Yarra River	n/a	0	0	0	0	0	0	0	0	0	0	
<b>Number of new dam on waterway licences issued</b>	Don River	n/a	0	0	0	0	0	0	0	0	0	0	
<b>Number of days on ban</b>	Little Yarra River	37	3	96	27	81	75	75	0	0	0	0	
	Don River	0	0	0	0	24	166	20	0	0	0	0	
<b>Number of days on rosters</b>	Little Yarra River	71	97	102	125	107	145	72	0	0	0	0	
	Don River	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0	0	

(-) not previously reported on as an individual figure in the SFMP annual report.

Stream Flow Management Plan Annual Report 2023-24 |

Table 5. Olinda Creek SFMP Annual Report Checklist

Prescription No.	Prescription	Compliance	Supporting Data	2022-23	2023-24
				Comments	Comments
8	<p><b>PROHIBITIONS ON GRANTING NEW LICENCES</b></p> <p>Melbourne Water must refuse an application under section 51(1)(a) or (b) of the Act if, in its opinion, the approval of the application will or may cause:</p> <p>(a) the total volume of water taken in any year under all all-year licences to exceed 607.3 ML; or</p> <p>(b) the total volume of water taken in any year under all winter-fill licences to exceed 973 ML.</p> <p>Note 1: Section 51A of the Act allows a person to surrender a registration licence and apply for a licence under section 51(1)(a) or (b) of the Act, and Melbourne Water must within 14 days issue a licence for the same annual volume as the registration licence.</p>	Yes	<a href="#">Diversion Data Model and Reporting-20240102 - Powers BI</a>		Management of licence volumes are well within the allocation caps
9	<p><b>TRANSFERRING LICENCES</b></p> <p>Note: Section 62 of the Act empowers Melbourne Water to approve an application to temporarily or permanently transfer a licence.</p> <p>9.1 Melbourne Water must refuse an application made under section 62(3) of the Act to transfer an all-year licence or a winter-fill licence if, in its opinion, the approval of the application will or may cause:</p> <p>(a) the total volume of water taken in any year under all all-year licences to exceed 607.3 ML; or</p> <p>(b) the total volume of water taken in any year under all winter-fill licences to exceed 973 ML; or</p> <p>(c) the total volume of water taken in any year under all all-year licences and all winter-fill licences to exceed 1367 ML.</p> <p>9.2 Melbourne Water must refuse an application made under section 62(3) of the Act to transfer an all-year licence or a winter-fill licence if the total volume of water held by the applicant will exceed 100 ML as a result of the transfer.</p> <p>9.3 Melbourne Water may grant an application made under section 62(3) to transfer an all-year licence, provided relevant matters have been considered:</p> <p>(a) to any upstream location if the licence is converted to winter-fill licence; or</p> <p>(b) to an upstream location within the lower catchment if the licence is being transferred from within the lower catchment between Lillydale Lake and the Yarra River; or</p> <p>(c) to an upstream location within the upper catchment between Lillydale Lake and the Silvan Reservoir outlet if the licence is being transferred from within the upper catchment between Lillydale Lake and the Silvan Reservoir outlet.</p> <p>9.4 Melbourne Water may grant an application made under section 62(3) to transfer a winter-fill licence, provided relevant matters have been considered, to any upstream location.</p> <p>9.5 Melbourne Water may grant an application made under section 62(3) to transfer an all-year licence or a winter-fill licence, provided relevant matters have been considered, to a downstream location.</p>	Yes	<a href="#">Licence transfers in 2021-22</a>	No land transfers Temporary downstream trades (13+13+10 ML)	All transfers stayed within the Olinda Creek catchment. All transfers in accordance with Melbourne Water's requirements as delegated Diversion Manager ad prescription 9
10	<p><b>NEW DAMS</b></p> <p>After the commencement of this Plan, Melbourne Water must not issue any licence under section 67 of the Act to construct a dam on a waterway within the Protection Area.</p>	Yes	<a href="#">Number of new dam on waterway licences</a>	0	Compliant
11	<p><b>ROSTERS</b></p> <p>11.1 Melbourne Water may, from time to time, prepare and implement rosters or other arrangements for taking and using water, in accordance with the principles specified in clause 11.3.</p> <p>11.2 Melbourne Water may implement rosters if stream flows fall:</p> <p>(a) between 6 ML/day and the levels specified under the licence condition 1.1 of Schedule 3 between 1 January and 31 March inclusive in the upper catchment; and</p> <p>(b) between 15 ML/day and the levels specified under the licence condition 1.1 of Schedule 3 between 1 January and 31 March inclusive in the lower catchment.</p> <p>11.3 In developing rosters or restrictions, Melbourne Water must have regard to the need to:</p> <p>(a) maintain flows above the minimum levels specified under licence condition 1.1 of Schedule 3; and</p> <p>(b) limit the number of days upon which licensees are unable to take water because of the effect of licence condition 1.1 of Schedule 3; and</p> <p>(c) take account of:</p> <p>(i) the relative requirements of different crops and other uses of land for water; and</p> <p>(ii) differences between types of licence, maximum volumes which may be taken under licences, and pumping capacities; and</p> <p>(iii) the need for all licensees to have fair and reasonable access to available water, given the matters referred to in sub-paragraphs (i) and (ii).</p> <p>11.4 Melbourne Water may specify a maximum volume or percentage of allocation of water that a licensee may take or use on any rostered day (or lesser roster period).</p> <p>11.5 Melbourne Water must ensure that each licensee has an up to date copy of any roster that is developed.</p>	Yes	<a href="#">Days on bans and restrictions</a>	Days on bans and restrictions	Restriction regime has been introduced for the Olinda Creek catchment as part of Drought Response Plan Review. Restriction regime based on reduced maximum daily volume for metered licence holders and restricted days/hours for non-metered licensees.
12	<p><b>LICENCE CONDITIONS</b></p> <p>For the purposes of section 32A(12) of the Act, a licence granted under section 51(1)(a) or (b) of the Act for a purpose specified in Schedule 3 is subject to each condition set out in that Schedule, in relation to that purpose.</p>	Yes	Victorian Water Register		Occurring
13	<p><b>STREAM FLOW MONITORING PROGRAM</b></p> <p>13.1 Melbourne Water must:</p> <p>(a) continuously record flows at the York Rd gauge and MacIntyre Lane gauge; and</p> <p>(b) periodically inspect the condition of these gauging stations; and</p> <p>(c) maintain these gauging stations in good condition; and</p> <p>(d) keep a record of each inspection and all work undertaken under paragraph (b) and (c)</p> <p>(e) make all flow data publicly available, or as requested by the Minister.</p>	Yes	<a href="#">Olinda Creek (Lower)   Melbourne Water</a>	Olinda Creek (Lower)   Melbourne Water	Melbourne Water continuously monitors flows at: • York Road gauging station (23690A); and • McIntyre Lane gauging station (239258A);  The McIntyre Lane gauge was installed in 2008 and commissioned in January 2011 to meet prescription 13.1
14	<p><b>INSTALLING METERS</b></p> <p>14.1 Melbourne Water must ensure that a flow meter is installed to measure water taken for irrigation or commercial purposes under any active all-year licence or winter-fill licence which has been or is issued under section 51(1)(a) or 51(1)(b) of the Act to take and use 5 ML or a greater volume.</p> <p>14.2 At Melbourne Water's discretion, and where practical to do so, Melbourne Water may install a meter to measure water taken under any all-year licence or</p> <p>47 winter-fill licence issued under section 51(1)(a) or 51(1)(b) of the Act to take and use less than 5 ML.</p> <p>14.3 Melbourne Water must:</p> <p>(a) periodically inspect the condition of each flow meter referred to in sub-clauses 14.1 and 14.2; and</p> <p>(b) maintain each flow meter in good condition; and</p> <p>(c) replace any damaged flow meter; and</p> <p>(d) <del>keep a record of all work done under paragraph (b) and (c)</del></p>	Yes	<a href="#">Number of metered licences</a>	Number of metered licences	Meter maintenance data captured in Melbourne Water's Asset Management system (Maximo). Maintenance of meters is scheduled every 5 years. Program available from Diversion's team.
15	<p><b>READING METERS</b></p> <p>Melbourne Water must:</p> <p>(a) read each meter referred to in sub-clause 14.1 and 14.2 at least:</p> <p>(i) in the case of an all-year licence, once in every year; and</p> <p>(ii) in the case of a winter-fill licence, shortly before the beginning and shortly after the end of the winter-fill period in every year; and</p> <p>(b) record, for each meter:</p> <p>(i) the reading obtained; and</p> <p>(ii) the date on which the meter is read; and</p> <p>(iii) any information about the accuracy of the meter which Melbourne Water considers relevant; and</p> <p>(c) if a meter becomes defective, registers incorrectly or is removed for any reason, estimate the correct registration in any of the following ways:</p> <p>(i) by comparison with the quantity of water taken under similar conditions during some other period; or</p> <p>(ii) by comparison with the quantity of water taken after the meter has been restored to proper order; or</p> <p>(iii) by comparison with the registration of a substitute meter used temporarily in place of the defective meter; or</p> <p>(iv) by applying a correction factor if the meter is found to have a consistent error of registration.</p> <p>(d) when the meter is read shortly before or shortly after the nominated date, deem usage on the nominated date as the usage recorded when a meter is read.</p>	Yes	Diversion's Database		Meter readings carried out in accordance with this clause. Dates and readings recorded in Diversion's database.
16	<p><b>MAINTAINING ENVIRONMENTAL FLOWS</b></p> <p>Melbourne Water must do its best to ensure that licensees comply with the conditions referred to in Item 1.1 in Schedule 3.</p>	Yes	Diversion's Database	Diversion's Database	• Usage data from meters in the catchment. Some meters have dataloggers installed which read meters daily; • Acting on reports of non-compliance from the public; and • Undertaking spot checks
17	<p><b>DAMS ON SUBDIVISIONS</b></p> <p>The total volume of water for domestic and stock purposes that may be retained in all private dams within a subdivision must not exceed the greater of:</p> <p>(a) the total volume retained in all private dams on that land before the relevant plan of subdivision was approved; or</p> <p>(b) the total volume required for domestic and stock purposes on each lot within the subdivision as determined by Melbourne Water in accordance with the Act.</p>	Yes		0	The Shire of Yarra Ranges is responsible for subdivision within the catchment and can assess dam applications under their planning functions.  To Melbourne Water's knowledge the total volume of water for domestic and stock purposes has not exceeded the total volume of water from all private dams on the subdivided land.
18	<p><b>REPORTING</b></p> <p>Melbourne Water must report on its activities in carrying out its duties in relation to this Plan in each financial year and:</p> <p>(a) give the report to the Minister and the Port Phillip and Westernport Catchment Management Authority by 30 September in each year; and</p> <p>(b) make a copy available for public inspection at its offices.</p>	Yes	<a href="http://www.melbournewater.com.au/media/72606/download">http://www.melbournewater.com.au/media/72606/download</a>		2022-23 Annual Report submitted and received by the Minister within the agreed timeframe and copy available on Melbourne Water Website.
19	<p><b>MONITORING THE EFFECTS OF THE PLAN</b></p> <p>19.1 Melbourne Water must, unless otherwise directed by the Minister, implement the Monitoring Program: Streamflow Management Plans approved by the Minister in September 2013.</p> <p>19.2 Melbourne Water must implement the monitoring and management recommendations detailed in the Environmental Water Action Plan: Olinda Creek or other monitoring activities specified in the Healthy Waterways Strategy.</p>	Yes	Annual reporting & 5 Year review	The SFMP monitoring plan is currently being updated to reflect the use of environmental DNA (eDNA) to provide surveillance data for all 7 SFMP catchments.  Long term trends and changes in the condition of priority native fish and platypus are now being monitored using eDNA (this is presence/absence and extent within each SFMP).  eDNA data is used in the SFMP 5 year reviews to determine if any change in values is required based on	Monitoring and Evaluation of the plan occurs to inform the Annual Reporting and regular 5 year review processes. The SFMP monitoring plan currently includes collection of data for environmental DNA (eDNA) identified for all 7 SFMP catchments.  Long term trends and changes in the condition of priority native fish and platypus are now being monitored using this eDNA (this is presence/absence and extent within each SFMP).  eDNA data is used in the SFMP 5 year reviews to determine if any change in values is required based on
20	<p><b>REVIEW OF PLAN</b></p> <p>20.1 Melbourne Water must:</p> <p>(a) review the operation of this Plan;</p> <p>(i) not more than 5 years after it commences; and</p> <p>(ii) thereafter, at intervals of no more than 5 years; and</p> <p>(b) propose any consequential amendment (if any) to the Minister.</p> <p>Note: Sections 29, 31 and 32G of the Act provide for the constitution and convening of a consultative committee to provide advice on any proposed amendment and the process to be followed by the Minister before approving it.</p>	Yes	2013 Review (available upon request)	2013 Review (available upon request)	Melbourne Water reviewed this Olinda Creek SFMP in 2013. It was approved with amendments in August 2018.  The SFMP is currently under review which is due for completion by end of 2024.

**Table 6. Olinda Creek SFMP annual reporting data**

Year	Year	2013-2014	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Permissible Consumptive Volume (PCV)	All Year	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7	1259.7
	Winter-fill	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7
No. of licences	Total	574	574	574	574	574	574	574	574	574	574	574
	All Year	66	63	61	61	61	60	58	58	58	58	57
	Winter-fill	50	47	45	45	45	44	42	42	42	42	41
	Farm Dam	6	6	6	6	6	6	6	6	6	6	6
	Registration	10	10	10	10	10	10	10	10	10	10	10
Farm Dam Licence	0	0	0	0	0	0	0	0	0	0	0	
Total allocated volume (ML)	Total	736.7	732.3	726.3	726.3	726.3	724.9	706.9	706.9	706.9	706.9	705.9
	All Year	567	562.6	556.6	556.6	556.6	549.6	531.6	531.6	531.6	531.6	530.6
	Winter-fill	119	119	119	119	119	124.6	124.6	124.6	124.6	124.6	124.6
	Farm Dam	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
	Registration	0	0	0	0	0	0	0	0	0	0	0
Farm Dam Licence	0	0	0	0	0	0	0	0	0	0	0	
No. of metered licences	Total	23	24	22	22	24	24	21	22	22	22	21
Total metered volume (ML) <b>Volume of licences metered (ML)</b>	Total	380	389.6	385.6	385.6	381.6	384.2	401.2	397.2	397.2	416.2	393.2
Total metered use (ML)	Total	112.5	160.3	158.15	180.2	104.7	149.26	73.26	103.61	90.88	151.38	97.21
Metered use as % of metered allocation	Total	29.60%	41.10%	41.00%	46.73%	27.44%	38.85%	18.26%	26.09%	22.88%	36.37%	24.72%
Metered use as % of PCV	Total	8.90%	12.70%	12.55%	14.30%	8.31%	11.85%	5.82%	8.22%	7.21%	12.02%	7.72%
No. of licences with use greater than allocation	Total	1	0	0	0	1	1	0	1	0	0	0
Allocation surrendered within the WSPA (ML)	Total	n/a	0	6	0	0	7	18	0	0	0	0
New allocation issued within the WSPA (ML)	Total	n/a	0	0	0	0	0	0	0	0	0	0
Permanent transfers within WSPA (ML)	Total	86	27	4	22	12	57.6	126	27	0	0	4
Temporary transfers within WSPA (ML)	Total	25	5	0	0	4	0	0	26	26	36	29
Permanent transfers out of WSPA (ML)	Total	0	0	0	0	0	0	18	0	0	0	0
Temporary transfers out of WSPA (ML)	Total	n/a	0	0	0	0	0	0	0	0	0	0
Number of new dam on waterway licences issued	Total	n/a	0	0	0	0	0	0	0	0	0	0
Number of days on ban	Upper	36	14	118	19	171	245	29	129	195	46	18
	Lower	35	44	108	47	105	89	8	0	0	0	0
Number of days on rosters	Upper	0	0	55	10	15	15	6	32	10	0	0
	Lower	8	14	20	14	21	33	30	1	17	0	2

(-) not previously reported on as an individual figure in the SFMP annual report.

Table 7. Plenty River SFMP Annual Report Checklist				2022-23	2023-24
Prescription No.	Prescription	Compliance	Supporting Data	Comments	Comments
8	<p><b>PERMISSIBLE CONSUMPTIVE VOLUME</b></p> <p>8.1 The recommended permissible consumptive volume of surface water in the Protection Area is 669 ML. This includes the volume of registration licences and any licences issued under section 51A. Note: Section 22A gives the Minister power to declare a permissible consumptive volume from time to time by Order published in the Government Gazette.</p> <p>Section 51(1A) allows a person to apply for a registration licence during the period 1 July 2002 and 30 June 2003. Section 51A allows a person to surrender a registration licence and apply for a licence under section 51(1)(a) or (ba) and Melbourne Water must within 14 days issue a licence for the same annual volume as the registration licence.</p>	Yes	<a href="#">PCV Orders made by the Minister for Water</a>		No Change to PCV
9	<p><b>PROHIBITIONS ON GRANTING NEW LICENCES</b></p> <p>9.1 Melbourne Water must refuse an application under section 51(1)(a) or (ba) of the Act in the Protection Area, if in its opinion, the approval of the application will or may cause:</p> <p>(a) subject to clause 9.2, the total volume of water taken and used in the Protection Area in any year under all-year licences to exceed 336 ML (which includes the volume of registration licences and any licence issued under section 51A); or</p> <p>(b) the total volume of water taken from waterways or collected in dams in the Protection Area under any winter-fill licences during a winter-fill period, to exceed 353 ML.</p> <p>Note: Section 55(2B) of the Act also prevents Melbourne Water from granting a licence if, in its opinion, the allocation or use of water under the licence will or may result in the permissible consumptive volume for that year or a future year, being exceeded.</p> <p>9.2 The volume referred to in 9.1(a) will reduce to reflect the volume of all-year licence transferred out of or within the protection area.</p> <p>9.3 The volume referred to in 9.1(b) will increase to reflect the volume of all-year licences transferred out of or within the protection area.</p>	Yes	<a href="#">Riversions Data Model and Reporting-20240107 - Power BI</a>		Management of Licence volumes are within the allocation caps
10	<p><b>TRANSFERRING LICENCES</b></p> <p>Note: Section 62 of the Act empowers Melbourne Water to approve an application temporarily or permanently to transfer a licence upstream or downstream after having regard for the matters mentioned in Section 53, and Section 40(1) of the Act.</p> <p>10.1 Subject to clause 10.2, Melbourne Water must approve an application to transfer a licence, to take water from a waterway, or to collect water in a dam if the proposed transferee will take or collect water under the transferred licence downstream of the original licence location.</p> <p>10.2 Melbourne Water may approve the transfer of a licence resulting from the transfer or conveyance of land providing the location at which water is taken or collected will not change.</p>	Yes	Victorian Water Register	1 Transfer in 22/23	All transfers were permanent and stayed within the Plenty River catchment. All transfers in accordance with Melbourne Water's requirements as delegated Diversions Manager.
11	<p><b>ROSTERS AND RESTRICTIONS</b></p> <p>11.1 Melbourne Water may, from time to time, prepare and implement rosters or restrictions or other arrangements for taking and using water.</p>	Yes	<a href="#">Plenty River   Melbourne Water</a>	Plenty River   Melbourne Water	Melbourne Water imposes restrictions, rosters and bans under the principles and triggers detailed in Melbourne Water's Drought Response Plan for Licensed Water Users taking into account the requirements of Stream Flow Management Plans where relevant. No rosters and restrictions have been developed for the Plenty River at this time. Water demand remains low in this catchment and rosters are therefore not warranted.
12	<p><b>LICENCE CONDITIONS</b></p> <p>For the purposes of section 32A(12) of the Act, a licence granted under section 51(1)(a) or (ba) or renewed under section 51 of the Act for a purpose specified in Schedule 3 is subject to each condition set out in that Schedule, in relation to that purpose.</p>	Yes	Victorian Water Register		Occurring
13	<p><b>STREAM FLOW MONITORING PROGRAM</b></p> <p>Melbourne Water must:</p> <p>(a) continuously record the flows at the Mernda gauging station; and</p> <p>(b) periodically inspect the condition of the Mernda gauging station; and</p> <p>(c) maintain the Mernda gauging station in good condition; and</p> <p>(d) keep a record of each inspection and all work undertaken under paragraph (a), (b) or (c).</p>	Yes	<a href="#">Plenty River   Melbourne Water</a>	Plenty River   Melbourne Water	Melbourne Water monitors flows continuously at Mernda gauging station (229616A). Other flow stations on the Plenty River include Lower Plenty gauging station (229614A) and Greensborough gauging station (229615A).
14	<p><b>INSTALLING METERS</b></p> <p>14.1 After the commencement of this Plan, Melbourne Water must, within two years, ensure that a flow meter is installed to measure water taken for irrigation or commercial purposes under any licence greater than 5 ML volume which has been or is thereafter granted within the Protection Area under section 51(1)(a) or (ba) or 51(1A) of the Act.</p> <p>14.2 Melbourne Water must:</p> <p>(a) periodically inspect the condition of each flow meter installed under sub clause 14.1; and</p> <p>(b) maintain each flow meter in good condition; and</p> <p>(c) replace any damaged flow meter; and</p> <p>(d) keep a record of all work done under paragraph (b) and (c).</p>	No	<a href="#">Number of metered licences</a>	Number of metered licences	14.1 - Meters have been fitted to all 'active' commercial or irrigation licenses' equipment greater than 5ML. This does not include registered farm dams. As reported annually, the practicality of installing meters on registered catchment dams is assessed on a cost / benefit analysis. It is not practical and is of limited benefit, to meter these licences at present. Meter maintenance data captured in Melbourne Water's Asset Management system (Maximo). Maintenance of meters is scheduled every 3 years. Program available from Diversions team.
15	<p><b>READING METERS</b></p> <p>Melbourne Water must:</p> <p>(a) read each meter referred to in sub-clause 14.1 at least:</p> <p>(i) once in every year in the case of an all-year licence; and</p> <p>(ii) shortly after the beginning and end of the winter-fill period in every year, in the case of a winter fill licence; and</p> <p>(b) record, for each meter:</p> <p>(i) the reading obtained; and</p> <p>(ii) the number of the relevant licence; and</p> <p>(iii) the date on which the meter is read; and</p> <p>(c) if a meter becomes defective, registers incorrectly or is removed for any reason, estimate the correct registration in any of the following ways:</p> <p>(i) by comparison with the quantity of water taken under similar conditions during some other period; or</p> <p>(ii) by comparison with the quantity of water taken after the meter has been restored to proper order; or</p> <p>(iii) by comparison with the registration of a substitute meter used temporarily in place of the defective meter; or</p> <p>(iv) by applying a correction factor if the meter is found to have a consistent error of registration.</p>	Yes	Diversions Database	Diversions Database	Meter are read and photographed as required. Note for winterfill meters, these are read at the start and end of the licensing period
16	<p><b>MAINTAINING ENVIRONMENTAL FLOWS</b></p> <p>16.1 For the purposes of this clause, a licensee is the holder of a licence issued under section 51(1)(a) of the Act for any purpose other than domestic and stock use.</p> <p>16.2 1 December to 31 May Melbourne Water must do its best to ensure that, during the period 1 December to 31 May in any year, a licensee does not take any water from a waterway when the average stream flow at Mernda gauging station is 1.5ML or less per day.</p> <p>16.3 1 June to 30 November Melbourne Water must do its best to ensure that, during the period 1 June to 30 November in any year, a licensee does not take any water from a waterway when the average stream flow at Mernda gauging station is 2 ML or less per day.</p>	Yes		0	Compliance with licence conditions is monitored using: • Usage data from meters in the catchment; • Acting on reports of non-compliance from the public; and • Undertaking spot checks
17	<p><b>MONITORING THE IMPLEMENTATION OF THE PLAN</b></p> <p>17.1 Within 12 months after the commencement of this Plan, Melbourne Water must propose to the Minister a program to monitor the implementation of the Plan.</p> <p>17.2 A program proposed under sub-clause 17.1 must include arrangements to monitor:</p> <p>(a) the effects of the Plan on the reliability of supply to licensees within the Protection Area; and</p> <p>(b) the ability of the provisions to maintain environmental flows set out in clause 16; and</p> <p>(c) stream environmental indicators within the Protection Area; and</p> <p>(d) indicators against which Melbourne Water's performance in implementing this Plan can be measured.</p> <p>17.3 The Minister may:</p> <p>(a) approve a plan proposed under sub-clause 17.1; or</p> <p>(b) approve that plan, subject to amendments made by the Minister; or</p> <p>(c) refuse to approve the plan.</p> <p>17.4 Melbourne Water must implement a plan in the form approved by the Minister under sub-clause 17.3.</p>	Yes	Annual reporting & 5 Year review	The SFMP monitoring plan is currently being updated to reflect the use of environmental DNA (eDNA) to provide surveillance data for all 7 SFMP catchments. Long term trends and changes in the condition of priority native fish and platypus are now being monitored using eDNA (this is presence/absence and extent within each SFMP).	Monitoring and Evaluation of the plan occurs to inform the Annual Reporting and regular 5 year review processes. The SFMP monitoring plan currently includes collection of data for environmental DNA (eDNA) identified for all 7 SFMP catchments. Long term trends and changes in the condition of priority native fish and platypus are now being monitored using this eDNA (this is presence/absence and extent within each SFMP). eDNA data is used in the SFMP 5 year reviews to determine if any change in values is required based on findings.
18	<p><b>REPORTING</b></p> <p>Note: Section 32C and 32D of the Act requires Melbourne Water to report on its activities in carrying out its duties in relation to this Plan in each financial year and to:</p> <p>(a) give the report to the Minister and the Port Phillip and Westernport Catchment Management Authority by 30 September in each year; and</p> <p>(b) make a copy available for public inspection at its offices.</p>	Yes	<a href="https://www.melbournewater.com.au/media/2296666/wrindoc">https://www.melbournewater.com.au/media/2296666/wrindoc</a>		2022-23 Annual Report submitted and received by the Minister within the agreed timeframe and copy available on Melbourne Water Website.
19	<p><b>REVIEW OF PLAN</b></p> <p>Melbourne Water must:</p> <p>(a) review the operation of this Plan;</p> <p>(i) not more than 5 years after it commences; and</p> <p>(ii) thereafter, at intervals of no more than 5 years; and</p> <p>(b) propose any consequential amendment (if any) to the Minister.</p> <p>Note: Sections 29, 31 and 32G of the Act provide for the constitution and convening of a consultative committee to develop any proposed amendment and the process to be followed by the Minister before approving it</p>	Yes	2021 Five Year Review (available upon request)		Last reviewed in 2019, currently preparing a proposal to abolish WSPA and revoke the SFMP and replace with a LMP.
<p><b>Note 1:</b> Melbourne Water considers a licence active when a pump is in place and water is extracted. Inactive licences are monitored to determine if they become active through:</p> <ul style="list-style-type: none"> <li>• Licence holders applying to install a pump, thereby indicating their intention to take water</li> <li>• Routine property inspections every five years, and</li> <li>• Reviewing aerial images that indicate if irrigation may be occurring within the catchment.</li> </ul> <p>Metering dam registrations and inactive licences does not consider the capital cost of installation or the ongoing operation costs associated with reading and maintenance. The benefit of metering these licences is not evident and does not justify the cost, which would be passed on to licence holders.</p> <p><b>Note 2:</b> The feasibility of amending this prescription so that only active waterway licences are required to be metered should be considered in future SFMP reviews.</p>					



**Table 8. Plenty River SFMP annual reporting data**

Year	Year	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-2023	2023-24
<b>Permissible Consumptive Volume (PCV)</b>	Total	669	669	669	669	669	669	669	669	669	669	669
<b>No. of licences</b>	Total	36	36	36	35	35	35	35	35	35	35	33
	All Year	9	9	9	8	8	8	8	8	8	8	6
	Winter-fill [4]	84	8	8	8	8	8	8	8	8	8	8
	Farm Dam Registration	18	18	18	18	18	18	18	18	18	18	18
	Farm Dam Licence	1	1	1	1	1	1	1	1	1	1	1
<b>Total allocated volume (ML) [3]</b>	Total	662	662	662	657	660	660	660	660	660	660	650
	All Year	51	51	51	46	49	49	49	49	49	49	39
	Winter-fill [4]	315	315	315	315	315	315	315	315	315	315	315
	Farm Dam Registration	286	286	286	286	286	286	286	286	286	286	286
	Farm Dam Licence	10	10	10	10	10	10	10	10	10	10	10
<b>No. of metered licences</b>	Total [1]	4	4	4	4	4	4	4	4	4	4	4
<b>Volume of licences metered (ML)</b>	Total	120	120	120	120	120	120	120	120	120	120	120
<b>Total metered use (ML)</b>	Total	47.3	107.91	106.18	91.55	84.5	100.9	20.57	8.02	21.77	7.36	21.51
<b>Metered use as % of metered allocation</b>	Total	39.40%	89.90%	88.50%	76.29%	70.42%	84.08%	17.14%	6.68%	18.14%	6.13%	17.93%
<b>Metered use as % of PCV</b>	Total	7.10%	16.10%	15.90%	13.68%	12.63%	15.08%	3.07%	1.20%	3.25%	1.10%	3.22%
<b>No. of licences with use greater than allocation</b>	Total	0	2	0	0	2	2	2	0	1	0	0
<b>Allocation surrendered within the WSPA (ML)</b>	Total	n/a	0	0	0	2	0	0	0	0	0	10
<b>New allocation issued within the WSPA (ML)</b>	Total	n/a	0	0	0	0	0	0	0	0	0	0
<b>Permanent transfers within WSPA (ML)</b>	Total	2	29	77	3	0	0	0	0	0	7	5
<b>Temporary transfers within WSPA (ML)</b>	Total	0	0	0	0	0	0	0	0	0	0	0
<b>Permanent transfers out of WSPA (ML)</b>	Total	0	0	0	0	2	0	0	0	0	0	0
<b>Temporary transfers out of WSPA (ML)</b>	Total	0	0	0	0	0	0	0	0	0	0	0
<b>Number of new dam on waterway licences issued</b>	Total	n/a	0	0	0	0	0	0	0	0	0	0
<b>Number of days on ban</b>	Total	54	93	116	61	79	183	53	50	80	0	33
<b>Number of days on restriction</b>	Total	0	0	0	0	0	0	0	0	0	0	0
(-) not previously reported on as an individual figure in the SFMP annual report.			<b>Note 1:</b> No all-year licences metered as they are inactive.	<b>Note 2:</b> Note, this consumption does not allow for catchment flows and other inputs, i.e. bores and/or roof areas, etc.	<b>Note 3:</b> For 2013-14 there are three additional stormwater licences totalling 83ML issued in the Plenty catchment. This allocation is considered separately to the SFMP and issued in accordance	<b>Note 4:</b> 1 additional winter-fill licence of 5ML has been added in 2013-14. This licence previously omitted due to an incorrect catchment being recorded						

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Table 9. Steels, Pauls and Dixons Creeks SFMP Annual Report Checklist

				2022-23	2023-24
Prescription No.	Prescription	Compliance	Supporting Data	Comments	Comments
8	<p><b>PROHIBITIONS ON GRANTING NEW LICENCES</b></p> <p>Melbourne Water must refuse an application under section 51(1)(a) or (ba) of the Act in the Protection Area if, in its opinion, the approval of the application will or may cause:</p> <p>(a) the total volume of water taken in any year under all year licences to exceed 988 ML plus the volume of any existing farm dams still to be registered or licensed; or</p> <p>(b) the total volume of water taken in any year under winter-fill licence to exceed 696 ML.</p> <p>Note 1: Section 51A of the Act allows a person to surrender a registration licence and apply for a licence under section 51(1)(a) or (ba) of the Act and Melbourne Water must within 14 days issue a licence for the same annual volume as the registration licence.</p> <p>Note 2: Section 55(28) of the Act prevents Melbourne Water from granting or renewing a licence if, in its opinion, the allocation or use of water under licence will or may result in the permissible annual volume for that year or a future year, being exceeded.</p>	Yes		01 - Power Bi	
9	<p><b>TRANSFERRING LICENCES</b></p> <p>Note: Section 62 of the Act empowers Melbourne Water to approve an application temporarily or permanently to transfer a licence.</p> <p>9.1 Melbourne Water must refuse an application under section 62(3) of the Act to transfer a licence if, in its opinion, the approval of the application will or may cause the limits referred to in Clause 8 to be exceeded.</p> <p>9.2 In deciding whether to amend, delete or add to the conditions to which a licence is subject when it is transferred, Melbourne Water may have regard to whether the location at which water is taken or collected will, or will not, change.</p> <p>9.3 Melbourne Water must not approve an application to transfer a licence to take and use water from a waterway or collect water in a dam, to a location upstream of the existing licence.</p> <p>9.4 Melbourne Water may only approve the transfer of a licence from a licensee to a person who proposes to extract water from the same catchment as the licensee.</p>	Yes	<p>1 Cancellation of 7ML winterfill in Pauls Creek</p> <p>1 Permanent transfer of existing 45ML winterfill in Dixons Creek</p> <p>License transfers in 2021-22</p>		All transfers were permanent and stayed within the Steels, Pauls and Dixons Creeks catchments. <p>All transfers in accordance with Melbourne Water's requirements as delegated Diversion Manager and Prescription 9.</p>
10	<p><b>NEW DAMS, AESTHETIC DAMS AND DAMS ON SUBDIVISIONS</b></p> <p>After the commencement of this SFMP, Melbourne Water must not issue any licence under section 67 of the Act to construct a dam on a waterway within the Protection Area.</p>	Yes	Number of new dam on waterway licences		Compliant
11	<p><b>LICENCE CONDITIONS</b></p> <p>For the purposes of section 32A(12) of the Act, a licence granted under section 51(1)(a) or (ba) of the Act for a purpose specified in Schedule 3 is subject to each condition set out in that Schedule, in relation to that purpose.</p>	Yes	Victorian Water Register		Occurring
12	<p><b>STREAM FLOW MONITORING PROGRAM</b></p> <p>12.1 After the commencement of this SFMP, Melbourne Water must, as soon as practicable, review the existing gauging arrangements and propose new locations and numbers of gauging stations where necessary to enable continuous recording of flows in Steels Creek, Dixons Creek and Pauls Creek.</p> <p>12.2 The review proposed under sub-clause 12.1 must consider the gauging station locations proposed by the Steels, Pauls and Dixons Creek Stream Flow Management Plan Consultative Committee:</p> <p>(a) Steels Creek below Gulf Road and adjacent to the aqueduct; and</p> <p>(b) Dixons Creek on the highway below Gulf Road or, alternatively, at the bridge and siphon crossing; and</p> <p>(c) Pauls Creek on the Old Healesville Road or alternatively, below Bottling's Lane.</p> <p>12.3 Melbourne Water must implement the completed review referred to in sub-clause 12.1.</p> <p>12.4 Melbourne Water must:</p> <p>(a) continuously record flow at the Steels Creek and Pauls Creek gauging stations and at any gauging station installed as a result of the review referred to in sub-clause 12.1, and</p> <p>(b) periodically inspect the condition of these gauging stations; and</p> <p>(c) maintain these gauging stations in good condition; and</p> <p>(d) keep a record of each inspection and all work undertaken under paragraph (a).</p>	Yes	<p>Steels Creek   Melbourne Water</p> <p><a href="https://www.melbournewater.com.au/water-and-environment/water-management/waterway-diversions/pauls-creek">https://www.melbournewater.com.au/water-and-environment/water-management/waterway-diversions/pauls-creek</a></p> <p><a href="https://www.melbournewater.com.au/water-and-environment/water-management/waterway-diversions/dixons-creek">https://www.melbournewater.com.au/water-and-environment/water-management/waterway-diversions/dixons-creek</a></p>	<p>Melbourne Water reviewed the existing gauge arrangements following the commencement of the plan and made relocated the Steels Creek gauge in 2007. A new gauge on Dixons Creek became operational in 2008.</p> <p>Melbourne Water currently monitors flows continuously at:</p> <ul style="list-style-type: none"> <li>• Pauls Creek Gauge at Tarrawarra (229245A)</li> <li>• Steels Creek at Yarra Glen (229246B)</li> <li>• Dixons Creek at Melba Highway Yarra Glen (229290A).</li> </ul>	<p>Melbourne Water reviewed the existing gauge arrangements following the commencement of the plan and made relocated the Steels Creek gauge in 2007.</p> <p>A new gauge on Dixons Creek became operational in 2008.</p> <p>Melbourne Water currently monitors flows continuously at:</p> <ul style="list-style-type: none"> <li>• Pauls Creek Gauge at Tarrawarra (229245A)</li> <li>• Steels Creek at Yarra Glen (229246B)</li> <li>• Dixons Creek at Melba Highway Yarra Glen (229290A).</li> </ul>
13	<p><b>INSTALLING METERS</b></p> <p>13.1 After the commencement of this SFMP, Melbourne Water, as soon as practicable, ensure that a flow meter is installed to measure water taken for irrigation or commercial purposes under any licence which has been or is thereafter granted within the Protection Area under section 51(1)(a) or (ba) or 51(1A) of the Act.</p> <p>13.2 Melbourne Water must:</p> <p>(a) periodically inspect the condition of each flow meter installed under sub-clause 13.1; and</p> <p>(b) maintain each flow meter in good condition; and</p> <p>(c) replace any damaged flow meter; and</p> <p>(d) keep a record of all work done under paragraph (b) and (c).</p>	Yes	Diversion Database	Meter maintenance data captured in Melbourne Water's Asset Management system (Maximo). Maintenance of meters is scheduled every 3 years. Program available from Diversion team.	Meter maintenance data captured in Melbourne Water's Asset Management system (Maximo). Maintenance of meters is scheduled every 3 years. Program available from Diversion team.
14	<p><b>READING METERS</b></p> <p>Melbourne Water must:</p> <p>(a) read each meter referred to in sub-clause 13.1 shortly after the beginning and end of the winter-fill period in every year; and</p> <p>(b) record, for each meter:</p> <p>(i) the reading obtained; and</p> <p>(ii) the number of the relevant licence; and</p> <p>(iii) the date on which the meter is read; and</p> <p>(iv) any information about the accuracy of the meter which Melbourne Water considers relevant; and</p> <p>(v) if a meter becomes defective, registers incorrectly or is removed for any reason, estimate the correct registration in any of the following ways:</p> <p>(i) by comparison with the quantity of water taken under similar conditions during some other period; or</p> <p>(ii) by comparison with the quantity of water taken after the meter has been restored to proper order; or</p> <p>(iii) by comparison with the registration of a substitute meter used temporarily in place of the defective meter; or</p> <p>(iv) by applying a correction factor if the meter is found to have a consistent error of registration.</p>	Yes	Diversion Database		Meter are reads and photographed as required. Note for winterfill meters, these are read at the start and end of the licensing period
15	<p><b>MAINTAINING ENVIRONMENTAL FLOWS</b></p> <p>15.1 For the purpose of this clause, a licensee is the holder of a licence issued under section 51(1)(a) of the Act for any purpose other than domestic and stock use.</p> <p>15.2 Melbourne Water must do its best to ensure that, during the period 1 July to 30 November in any year, a licensee does not take any water from a waterway when the daily stream flow is below the minimum flow at the compliance gauge:</p> <p>(a) Steels Creek minimum flow is 7.0 ML or less per day at the compliance gauge;</p> <p>(b) Dixons Creek minimum flow is 7.0 ML or less per day at the compliance gauge;</p> <p>(c) Pauls Creek minimum flow is 5.0 ML or less per day at the compliance gauge; subject to sub-clause 15.4.</p> <p>15.3 The compliance gauge is:</p> <p>(a) Steels Creek gauging station for licensees taking water from any waterway within the Steels Creek catchment; or</p> <p>(b) Steels Creek gauging station for licensees taking water from any waterway within the Dixons Creek catchment; or</p> <p>(c) Pauls Creek gauging station for licensees taking water from any waterway within the Pauls Creek catchment; subject to sub-clause 15.4.</p> <p>15.4 After the installation of any new gauging station proposed in the review referred to in Clause 12.1, the references to gauging stations in sub-clause 15.3 must be replaced with references to any new gauging station in that catchment, the minimum flow referred to in 15.2 (a) and (b) must be replaced with 5.0 ML per day.</p> <p>15.5 Licensees may recommence taking water when the seven-day average stream flow at the compliance gauge referred to in 15.3 rises above the stream flow referred to in subclause 15.2.</p>	Yes	Diversion Database	<p>Compliance with licence conditions is monitored using:</p> <ul style="list-style-type: none"> <li>• Usage data from meters in the catchment;</li> <li>• Acting on reports of non-compliance from the public; and</li> <li>• Undertaking spot checks</li> </ul>	<p>Compliance with licence conditions is monitored using:</p> <ul style="list-style-type: none"> <li>• Usage data from meters in the catchment;</li> <li>• Acting on reports of non-compliance from the public; and</li> <li>• Undertaking spot checks</li> </ul>
16	<p><b>ROSTERS</b></p> <p>16.1 Melbourne Water must, within 18 months of the commencement of this plan, develop a roster for the equitable sharing of available water under low flow conditions. Melbourne Water must develop the roster in consultation of water users.</p> <p>16.2 Melbourne Water must do its best to ensure water users comply with any roster agreed to under clause 16.1.</p>	No	<p>Steels Creek   Melbourne Water</p> <p><a href="https://www.melbournewater.com.au/water-and-environment/water-management/waterway-diversions/pauls-creek">https://www.melbournewater.com.au/water-and-environment/water-management/waterway-diversions/pauls-creek</a></p> <p><a href="https://www.melbournewater.com.au/water-and-environment/water-management/waterway-diversions/dixons-creek">https://www.melbournewater.com.au/water-and-environment/water-management/waterway-diversions/dixons-creek</a></p>	<p>16.1 - As reported in previous years, due to the highly intermittent nature of the resource, and small number of diversions with markedly different requirements, developing an effective way of sharing lower flows has not been found. Timing of flows and ability to effectively prolong access to the resource through rosters is not considered effective in these flashy catchments. As highlighted in no. of day on ban, access days are already limited in these catchments.</p> <p>We will seek to amend this clause at the next plan amendment with "investigate and implement where feasible a rostering system for the equitable sharing of available water under low flow conditions"</p>	<p>16.1 - As reported in previous years, due to the highly intermittent nature of the resource, and small number of diversions with markedly different requirements, developing an effective way of sharing lower flows has not been found. Timing of flows and ability to effectively prolong access to the resource through rosters is not considered effective in these flashy catchments. As highlighted in no. of day on ban, access days are already limited in these catchments.</p> <p>We will seek to amend this clause at the next plan amendment with "investigate and implement where feasible a rostering system for the equitable sharing of available water under low flow conditions"</p>
17	<p><b>AESTHETIC DAMS</b></p> <p>17.1 For the purposes of this clause, a dam is:</p> <p>(a) operated for aesthetic purposes, if it is constructed after the commencement of this SFMP and is used for aesthetic or recreational purposes; but</p> <p>(b) not operated for such purposes if it is:</p> <p>(i) constructed or used for domestic, stock, irrigation or commercial purposes; or</p> <p>(ii) designed specifically for environmental, rather than aesthetic or recreational purposes and is used for erosion control or nature conservation purposes.</p> <p>17.2 A person must not operate a dam by taking, collecting, storing or concentrating water for aesthetic purposes at any time when, in the opinion of Melbourne Water, the volume of evaporation from that dam alone, or in combination with evaporation from other dams operated for aesthetic purposes in the Protection Area, would cause the allocation cap for the Protection Area to be exceeded.</p>	Yes		<p>No community reports regarding aesthetic dams were received during this reporting period.</p> <p>To Melbourne Water's knowledge, no aesthetic dams exist that breach the requirements of this prescription.</p>	#REF!
18	<p><b>MONITORING THE EFFECTS OF THE PLAN</b></p> <p>18.1 Within 12 months after the commencement of this SFMP, Melbourne Water must propose to the Minister a program to monitor the implementation of the SFMP.</p> <p>18.2 A program proposed under sub-clause 18.1 must include arrangements to monitor:</p> <p>(a) the effects of the SFMP on the reliability of supply to licensees within the Protection Area; and</p> <p>(b) the ability of the provisions to maintain environmental flows set out in Schedule 3; and</p> <p>(c) in-stream environmental indicators within the Protection Area; and</p> <p>(d) indicators against which Melbourne Water's performance in implementing this SFMP can be measured.</p> <p>18.3 The Minister may:</p> <p>(a) approve a program proposed under sub-clause 18.1; or</p> <p>(b) approve that program, subject to amendments made by the Minister; or</p> <p>(c) refuse to approve the program.</p> <p>18.4 Melbourne Water must implement a program in the form approved by the Minister under sub-clause 18.3.</p>	Yes	Annual reporting & 5 Year review	<p>The SFMP monitoring plan is currently being updated to reflect the use of environmental DNA (eDNA) to provide surveillance data for all 7 SFMP catchments.</p> <p>Long term trends and changes in the condition of priority native fish and platypus are now being monitored using eDNA (this is presence/absence and extent within each SFMP).</p>	<p>Monitoring and Evaluation of the plan occurs to inform the Annual Reporting and regular 5 year review processes. The SFMP monitoring plan currently includes collection of data for environmental DNA (eDNA) identified for all 7 SFMP catchments.</p> <p>Long term trends and changes in the condition of priority native fish and platypus are now being monitored using this eDNA (this is presence/absence and extent within each SFMP).</p> <p>eDNA data is used in the SFMP's 5 year</p>
19	<p><b>REPORTING</b></p> <p>Note: Section 32c and 32d of the Act requires Melbourne Water to report on its activities in carrying out its duties in relation to this SFMP in each financial year and to:</p> <p>(a) give the report to the Minister and the Park-Philipp Catchment Management Authority by 30 September in each year; and</p> <p>(b) make a copy available for public inspection at its offices.</p>	Yes	<a href="https://www.melbournewater.com.au/media/22656/download">https://www.melbournewater.com.au/media/22656/download</a>		2022-23 Annual Report submitted and received by the Minister within the agreed timeframe and copy available on Melbourne Water Website.
20	<p><b>REVIEW OF PLAN</b></p> <p>Melbourne Water must:</p> <p>(a) review the operation of this SFMP;</p> <p>(b) not more than 5 years after it commences; and</p> <p>(c) thereafter, at intervals of no more than 5 years; and</p> <p>(d) propose any consequential amendment (if any) to the Minister.</p> <p>Note: Sections 29, 31 and 32G of the Act provide for the constitution and convening of a consultative committee to develop any proposed amendment and the process to be followed by the Minister before approving it</p>	Yes	2020 Five Year Review (available upon request)		Last reviewed in 2020, and is planned for next review in 2025/26

**Table 10. Steels, Pauls and Dixon Creeks SFMP annual reporting data**

Year	Year	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
<b>Permissible Consumptive Volume (PCV)</b>	Total [1]	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,874
<b>No. of licences</b>	Total	92	92	92	92	92	92	92	91	91	90	90
	All Year	1	1	1	1	1	1	1	1	1	1	1
	Winter-fill	16	16	16	16	16	16	16	16	16	15	15
	Farm Dam Registration	73	73	73	73	73	73	73	73	73	73	73
	Farm Dam Licence	2	2	2	2	2	2	2	1	1	1	1
<b>Total allocated volume (ML)</b>	Total	1,798.7	1,798.7	1,798.7	1,798.7	1,798.7	1,798.7	1,798.7	1,798.7	1,798.7	1,791.7	1,791.7
	All Year [2]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2	2
	Winter-fill	621.0	621.0	621.0	621.0	621.0	621.0	621.0	636.0	636.0	629	629
	Farm Dam Registration	1,128.7	1,128.7	1,128.7	1,128.7	1,128.7	1,128.7	1,128.7	1,128.7	1,128.7	1,128.7	1,128.7
	Farm Dam Licence	47.0	47.0	47.0	47.0	47.0	47.0	47.0	32.0	32.0	32	32
<b>No. of metered licences</b>	Total	15	15	15	15	16	17	17	14	14	14	14
<b>Total metered volume (ML)</b>	Total	626	626	626	626	626	626	626	626	626	626	626
<b>Total metered use</b>	Total	204.7	188.78	177.11	229.64	229.64	104.2	264.7	152.82	134.42	129.1	99.16
<b>Metered use as % of metered allocation</b>	Total	32.7%	30.2%	28.3%	36.7%	36.7%	16.6%	42.3%	24.4%	21.5%	20.6%	15.8%
<b>Metered use as % of PCV</b>	Total	12.2%	11.2%	10.5%	13.6%	13.6%	6.2%	15.7%	9.1%	8.0%	7.7%	5.3%
<b>No. of licences with use greater than allocation</b>	Total	0	0	0	0	0	0	0	0	1	1	0
<b>Allocation surrendered within the WSPA (ML)</b>	Total	n/a	0	0	0	0	0	0	0	0	7	0
<b>New allocation issued within the WSPA (ML)</b>	Total	n/a	0	0	0	0	0	0	0	0	0	0
<b>Permanent transfers within of WSPA (ML)</b>	Total	n/a	0	6	27.5	63	23	57	15	0	45	3
<b>Temporary transfers within of WSPA (ML)</b>	Total	n/a	0	0	0	0	0	0	0	0	0	0
<b>Permanent transfers out of WSPA (ML)</b>	Total	n/a	0	0	0	0	0	0	0	0	0	0
<b>Temporary transfers out of WSPA (ML)</b>	Total	n/a	0	0	0	0	0	0	0	0	0	0
<b>Number of new dam on waterway licences issued</b>	Total	n/a	0	0	0	0	0	0	0	0	0	0
<b>No. of days on ban</b>	steels	262	327	348	255	351[2]	358	274	309	290	67	109
	Dixons	343	343	354	308	347[2]	358	281	302	240	15	125
	Pauls	350	357	361	324	360	365	292	315	263	56	109
<b>No. of days on restriction</b>	Total	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0
(-) not previously reported on as an individual figure in the SFMP annual report.		<p><b>Note 1:</b> SFMP sets the WSPA allocation limit at 1684 ML (988ML All-Year and 696</p> <p><b>Note 2:</b> 1. Pumping only permitted when the instantaneous flow is equal to or greater than 15 ML/day as per our website on both the Dixons and Steels Creek catchments. Diversion Team sent out text messages each morning as well if the flows are above or equal to 15 ML/day. All other licence conditions remain the same as current for this season ie maximum daily volumes and annual volumes on licences. Briefing Note available here : <a href="http://inflo/inflo/cs.exe/open/42365033">http://inflo/inflo/cs.exe/open/42365033</a></p> <p><b>2. Post Implementation Review</b></p> <p>A summary of the flow event and an hourly flow for Dixons creek and Steels Creek can be found here : <a href="http://inflo/inflo/cs.exe/open/41278979">http://inflo/inflo/cs.exe/open/41278979</a></p> <p>Dixons Creek customers had around 8 days additional pumping whilst our Steels Creek customers had around 7 days additional pumping.</p> <p>Steels Creek</p> <p>Total Usage through meters 45 ML Total flow 976 ML Percentage of total flow 5%</p>										

Table 11. Stringybark Creek SFMP Annual Report Checklist

Prescription No.	Prescription	Compliance	Supporting Data	2022-23	2023-24
				Comments	Comments
1.	<b>PROHIBITIONS ON GRANTING NEW LICENCES</b> Melbourne Water must refuse an application under section 51(1)(a) or (ba) of the Act if this will, or may, cause the total volume of water taken in any year under: all licences to exceed 2664 ML; or all-year licences to exceed 1527 ML.	Yes	Diversion Data Model and Reporting 2024	Diversion Data Model and Reporting 20240102 - Power BI	Current licensed volume remains below Allocation Cap since 2019 due to 87ML winterfill licence being traded out to the Yarra River (Upper). No new licences issued and trading confined to within catchment.
2.	<b>LICENCE CONDITIONS</b> A licence granted under section 51 of the Act is subject to each condition set out in Schedule 1, in relation to that licence's purpose.	Yes	Victorian Water Register		Occurring
3.	<b>TRANSFERRING LICENCES</b> 3.1 Melbourne Water may grant an application made under section 62(3) of the Act to permanently transfer a licence upstream or downstream from a location within the Protection Area and without reduction in volume. 3.2 Melbourne Water must refuse an application made under section 62(3) of the Act to permanently or temporarily transfer a licence if this will cause the limits referred to in prescription 1 to be exceeded. 3.3 Subject to prescription 3.4 if approving an application to permanently transfer a licence into or within the Protection Area, Melbourne Water must amend its conditions to ensure that it is a licence for the purpose of dam-filling where Melbourne Water deems that this is practical. 3.4 In deciding whether to amend, delete or add to the conditions to which a licence is subject when it is permanently transferred, Melbourne Water may have regard to whether the location at which water is taken or collected will, or will not, change. 3.5 Melbourne Water may grant an application made under section 62(3) to temporarily transfer a licence into or within the Protection Area without amending its conditions.	Yes	Victorian Water Register	2 Land transfers (6-14ML) 3 Temporary Trades (10ML+15ML+7ML) 1 subdivision of licence	All transfers stayed within the Stringybark Creek catchment.  All transfers in accordance with Melbourne Water's requirements as delegated Diversion Manager and Prescription 3.
4.	<b>ROSTERS AND RESTRICTIONS</b> 4.1 Melbourne Water may prepare and implement rosters or restrictions in accordance with the principles specified in prescription 4.2 to specify a maximum volume or percentage allocation of water that a licensee may take or use on any rostered day (or lesser roster period). 4.2 In developing rosters or restrictions Melbourne Water must have regard to the need to: (a) maintain flows above the minimum levels specified under licence conditions 1.1 and 1.2 of Schedule 1; (b) limit the number of days upon which licensees are unable to take water because of the effect of licence conditions 1.1 and 1.2 of Schedule 1; (c) take account of: (i) the relative requirements of different crops and other uses of land water; (ii) differences between types of licences, maximum volumes which may be taken under licences, and pumping capacities; and (iii) the need for all licensees to have a fair and reasonable access to available water, given the matters referred to in sub-paragraphs (i) and (ii).	Yes	<a href="https://www.melbournewater.com.au/water-and-environment/water-management/waterway-diversions/stringybark-creek-(lower)">https://www.melbournewater.com.au/water-and-environment/water-management/waterway-diversions/stringybark-creek-(lower)</a>  <a href="https://www.melbournewater.com.au/water-and-environment/water-management/waterway-diversions/stringybark-creek-(upper)">https://www.melbournewater.com.au/water-and-environment/water-management/waterway-diversions/stringybark-creek-(upper)</a>	<a href="https://www.melbournewater.com.au/water-and-environment/water-management/waterway-diversions/stringybark-creek-(lower)">https://www.melbournewater.com.au/water-and-environment/water-management/waterway-diversions/stringybark-creek-(lower)</a>  <a href="https://www.melbournewater.com.au/water-and-environment/water-management/waterway-diversions/stringybark-creek-(upper)">https://www.melbournewater.com.au/water-and-environment/water-management/waterway-diversions/stringybark-creek-(upper)</a>	Melbourne Water imposes restrictions, rosters and bans under the principles and triggers detailed in Melbourne Water's Drought Response Plan for Licensed Water Users taking into account the requirements of Stream Flow Management Plans where relevant.
5.	<b>NEW DAMS, AESTHETIC DAMS AND DAMS ON SUBDIVISIONS</b> Note: Section 67 of the Act allows Melbourne Water to grant a licence to construct works etc. This includes operation of dams. Section 71 of the Act empowers Melbourne Water to set conditions for these licences. 5.1 Melbourne Water will not issue any licence under section 67 of the Act to construct a dam on a watercourse. 5.2 For the purposes of clause 5.3, a dam is: (a) operated for aesthetic purposes if it is constructed after the commencement of this Plan and is used for recreational purposes; but (b) not operated for aesthetic purposes if it is: (i) constructed or used for domestic and stock, irrigation or commercial purposes; or (ii) designed specifically for environmental, rather than aesthetic or recreational purposes and is used for erosion control or nature conservation purposes. 5.3 A person must not operate a dam by taking or storing water for aesthetic purposes at any time when, in the opinion of Melbourne Water, the volume of evaporation from that dam alone, or in combination with evaporation of other aesthetic dams in the Protection Area, would cause the combined volume taken under licences and aesthetic dams to exceed the limits referred to in prescription 1. 5.4 The total volume of water for domestic and stock purposes that may be taken from all private dams within a subdivision must not exceed the greater of: (a) the total volume taken from all private dams on that land before the relevant plan of subdivision was approved; and (b) the total volume required for domestic and stock purposes on that land, as determined by Melbourne Water in accordance with the Notes on Aesthetic Dams in the Irrigation and Commercial Farm Dams Compendium of Ministerial Guidelines and Procedures.	Yes	Number of new dam on waterway licences.	Number of new dam on waterway licences	Yarra Ranges Shire Council are responsible for subdivisions.  As a result to our knowledge the total volume of water for domestic and stock purposes has not exceeded the total volume of water from all private dams on that land.  Melbourne Water undertakes field observations and acts on reports received from the general community to assess the impact of aesthetic dams.  No community reports regarding aesthetic dams were received during this reporting period.  To Melbourne Water's knowledge no aesthetic dams exist that breach the requirements of this prescription.
6.	<b>MONITORING</b> 6.1 Melbourne Water must install a stream flow gauging station on Stringybark Creek at the easterly road crossing on St Hubert's Rd Coldstream at 25% cost. 6.2 Melbourne Water must: (a) continuously record flows at the Clegg Rd and St Hubert's Rd gauging stations; (b) periodically inspect the condition of each gauging station; (c) maintain each gauging station in good condition; and (d) keep a record of each inspection and work undertaken under paragraph (a) or (b). 6.3 Melbourne Water must install a flow meter to measure water taken for irrigation or commercial purposes under any actively used licence greater than 5 ML in volume granted within the Protection Area under section 51(1)(a) or (ba) of the Act. 6.4 Melbourne Water must: (a) periodically inspect the condition of each flow meter installed under prescription 6.3; (b) maintain each flow meter in good condition; (c) replace any damaged flow meter; and (d) keep a record of all work done under paragraph (b) and (c). 6.5 Melbourne Water must: (a) read each meter referred to in prescription 6.3 at least: (i) once in every year in the case of an all-year licence; and (ii) shortly after the beginning and end of the dam-filling period in every year, in the case of a licence for the purpose of dam-filling; and (b) record, for each meter: (i) the reading obtained; (ii) the number of the relevant licence; (iii) the date on which the meter is read; and (iv) any information about the accuracy of the meter which Melbourne Water considers relevant; and (c) if a meter becomes defective, registers incorrectly or is removed for any reason, estimate the correct registration in any of the following ways: (i) by comparison with the quantity of water taken under similar conditions during some other period; (ii) by comparison with the quantity of water taken after the meter has been restored to proper order; (iii) by comparison with the registration of a substitute meter used temporarily in place of the defective meter; or (iv) by applying a correction factor if the meter is found to have a consistent error of registration. 6.6 Melbourne Water must propose to the Minister a program to monitor the implementation of the Plan, including arrangements to monitor: (a) the effects of the Plan on the reliability of supply to licensees; (b) the ability of the provisions to maintain environmental flows set out in Schedule 1; and (c) in-stream environmental indicators. 6.7 The Minister may:	Yes	Annual reporting & 5 Year review <a href="https://www.melbournewater.com.au/water-and-environment/water-management/waterway-diversions/stringybark-creek-(lower)">https://www.melbournewater.com.au/water-and-environment/water-management/waterway-diversions/stringybark-creek-(lower)</a>  <a href="https://www.melbournewater.com.au/water-and-environment/water-management/waterway-diversions/stringybark-creek-(upper)">https://www.melbournewater.com.au/water-and-environment/water-management/waterway-diversions/stringybark-creek-(upper)</a>	Melbourne Water meters all active users greater than 5ML.  Meter inspection occurred in June 2017. Meter maintenance data captured in Melbourne Water's Asset Management system (Maximo). Maintenance of meters is scheduled every 3 years. Program available from Regional Services team.  Melbourne water monitors flows continuously at: • the Clegg Road gauging station (229401A); • the St Hubert's Road gauging station (229447B).  The SFMP monitoring plan is currently being updated to reflect the use of environmental DNA (eDNA) to provide surveillance data for all 7 SFMP catchments.  Long term trends and changes in the condition of priority native fish and platypus are now being monitored using eDNA (this is presence/absence and extent within each SFMP).	Melbourne Water meters all active users greater than 5ML.  Meter inspection occurred in June 2017. Meter maintenance data captured in Melbourne Water's Asset Management system (Maximo). Maintenance of meters is scheduled every 3 years. Program available from Regional Services team.  Melbourne water monitors flows continuously at: • the Clegg Road gauging station (229401A); • the St Hubert's Road gauging station (229447B).  The SFMP monitoring plan is currently being updated to reflect the use of environmental DNA (eDNA) to provide surveillance data for all 7 SFMP catchments.  Long term trends and changes in the condition of priority native fish and platypus are now being monitored using eDNA (this is presence/absence and extent within each SFMP).
7.	<b>REDRESSING HISTORICAL OVERUSE</b> 7. Where historical overuse has occurred, Melbourne Water may approve an application under Section 62(3) of the Act to permanently transfer a licence within the first 12 months after the commencement of the Plan without being subject to prescription 3.3 if this will address the volume of overuse.	Yes			NA
8.	<b>REVIEW OF PLAN</b> 8. Melbourne Water must: (a) review the implementation and object of this Plan: (i) five years after it commences; and (ii) thereafter, at intervals of no more than five years; and (b) propose any consequential amendment (if any) to the Minister.	Yes	2020 Five Year Review (available upon request)	Melbourne Water reviewed this Stringybark Creek SFMP in 2013. It has commenced the current review in 2018.	Next Review due in 2026/27

**Table 12. Stringybark Creek SFMP annual reporting data**

Year	Year	2013-14	2014-2015	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Permissible Consumptive Volume (PCV)	Total	2,664	2,664	2,664	2,664	2,664	2,664	2,664	2,664	2,664	2,664	2,664
No. of licences	Total	130	129	128	128	128	126	126	126	126	127	126
	All Year	33	31	29	29	29	31	29	28	28	28	27
	Winter-fill	22	22	23	23	23	19	21	22	22	22	22
	Farm Dam Registration	69	69	69	69	69	69	68	68	68	69	69
	Farm Dam Licence	6	7	7	7	7	7	8	8	8	8	8
Total allocated volume (ML)	Total [3]	2,700.2	2,700.2	2,700.2	2,698.2	2,698.2	2,611.2	2,611.2	2,611.2	2,611.2	2,579.2	2,611.2
	All Year	223.0	208.0	205.0	205.0	205.0	223.0	205.0	200.0	200.0	168	190
	Winter-fill	1,215.0	1,215.0	1,218.0	1,216.0	1,216.0	1,111.0	1,157.0	1,162.0	1,172.0	1,172	1,172
	Farm Dam Registration	1,124.2	1,124.2	1,124.2	1,124.2	1,124.2	1,124.2	1,086.2	1,086.2	1,086.2	1,086.2	1,086.2
	Farm Dam Licence	138.0	153.0	153.0	153.0	153.0	153.0	163.0	163.0	153.0	153	163
No. of metered licences	Total	39	39	38	38	55	50	52	35	35	35	40
Total metered volume (ML)	Total	1,357	1370	1330	1358	1387	1277	1313	1263	1324	1299	1401
Actual metered use (ML) <sup>2</sup>	Total	487.7	533.6	634.4	610.91	573.4	511.8	610.85	257.29	325.29	346.79	314.7
Metered use as % of metered allocation	Total	35.9%	38.9%	47.7%	45.0%	41.3%	40.1%	46.5%	20.4%	24.6%	26.7%	22.5%
Metered use as % of PCV	Total	18.3%	20.0%	23.8%	22.9%	21.5%	19.2%	22.9%	9.7%	12.2%	13.0%	11.8%
No. of licences with use greater than allocation	Total	2	0	0	1	3	5	6	5	2	5	1
Allocation surrendered within the WSPA (ML)	Total [3]	n/a	9	0	2	2	87	0	0	0	0	0
New allocation issued within the WSPA (ML)	Total	n/a	0	0	0	0	0	10	0	0	0	0
Permanent transfers within WSPA (ML)	Total [4]	85	21	82	21	4	117	299	195	0	7	10
Temporary transfers within WSPA (ML)	Total [5]	25	25	38	35	28	25	45	28	46	32	39
Permanent transfers out of WSPA (ML)	Total	0	0	0	0	0	87	0	0	0	0	0
Temporary transfers out of WSPA (ML)	Total	0	0	0	0	0	0	0	0	0	0	0
Number of new dam on waterway licences issued	Total	n/a	0	0	0	0	0	0	0	0	0	0
Number of days on ban	Upper	86	120	158	106	76	191	79	29	49	15	0
	Lower	111	7	230	186	237	249	42	0	0	26	187
Number of days on restriction	Total	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0
<i>Note 1: A 7 ML licence for environmental purposes acquired during the Stream flow Tender Program is now accounted for in the Yarra Environmental Entitlement Amendment 2010. Not included in figures.</i>	<i>Note 2: No estimations of use are made for unmetered licences</i>	<i>Note 3: This is a timing issue only with formal administrative processing of the licence.</i>	<i>Note 4: Only transfers that occurred in the catchment were related to sale of land and transfer to the new owner.</i>	<i>Note 5: Melbourne Water considered the issue of these licences to be appropriate as the trades are managed to meet all of the other prescriptions, and are consistent with the intent of prescription 3.2 to not increase overall allocation within the</i>	(-) not previously reported on as an individual figure in the SFMP annual report.							

Stream Flow Management Plan Annual Report 2023-24 |

Table 13. Woolli Yallock Creek SFMP Annual Report Checklist

Prescription No.	Prescription	Compliance	Supporting Data	Link to MW data	Reporting Period	
					2022-23	2023-24
1.1	<b>ALLOCATION CAP</b> a) The Allocation Cap in Woolli Yallock Creek Water Supply Protection Area will be 8,828 ML. b) Melbourne Water can issue licences above Allocation Cap except where this is a result of a renewal of an existing licence within the catchment or any of the circumstances as prescribed in prescriptions 6.1(1) and 6.1(5).	Yes	<a href="#">Victoria Water Register</a>		0	Prescription not reviewed. No reports received. No new licences issued and trading confined to within catchment.
1.2	<b>IMPLEMENTATION OF ANNUAL ENVIRONMENTAL FLOW</b> a) Melbourne Water must ensure that the annual environmental flow (AEF) is implemented in accordance with the principles specified in the AEF for the protection of the river system under section 512(4)(a) of the Act for any portion other than stock and domestic use and registered farm dam licences. b) Melbourne Water must ensure that licences comply with licence conditions referred to in Schedule 1.	Yes	<a href="#">Victoria Water Register</a>		0	Compliance with licence conditions is monitored using a range data from reports in the catchment. Action on reports of non-compliance from the public, and Ordering spot checks
1.3	<b>LICENCE CONDITIONS</b> a) Licence general under section 51 of the Act is subject to each condition set out in Schedule 1, in relation to that licence's purpose.	Yes	Victoria Water Register		0	The WOPA licence conditions detailed in Schedule 1 have been applied to all water use licences issued.
1.4	<b>MAXIMUM DAILY VOLUME</b> Melbourne Water must ensure all licences within the Woolli Yallock Creek catchment so that the maximum daily volume is not greater than two per cent of the annual volume.	Yes	Victoria Water Register		0	The WOPA licence conditions detailed in Schedule 1 have been applied to all water use licences issued, ensuring the maximum daily volume is two per cent of the annual volume.
1.5	<b>ROTTLES, RESTRICTIONS AND BANDS</b> a) Melbourne Water must ensure that any restrictions or conditions in licences are consistent with the principles specified in prescription 6.6 to specify a maximum volume or percentage allocation of water that a licensee may take or use on any rotated day (or longer water periods). b) Melbourne Water must ensure that any restrictions or conditions in licences are consistent with the principles specified in prescription 6.6 to specify a maximum volume or percentage allocation of water that a licensee may take or use on any rotated day (or longer water periods).	Yes	<a href="#">Victoria Water Register</a>		0	Restrictions and conditions are in place and detailed in Melbourne Water's Drafting Register Plan.
1.6	<b>IMPLEMENTATION OF ROTTLES, RESTRICTIONS AND BANDS</b> Melbourne Water must amend their 'Drafting Register Plan for Licensed Water Users' to incorporate the rotters, restrictions and band requirements outlined in this Plan to include volume based restrictions as prescribed in prescription 6.6. Unmetered licence holders will only be able to take water on rotated days as defined in 'Drafting Register Plan for Licensed Water Users'.	Yes	<a href="#">Victoria Water Register</a>		0	The WOPA rotters, restrictions and band licence conditions detailed in Schedule 1 have been applied to all water use licences issued. The Drafting Register Plan has been updated to reflect the requirements as prescribed in Schedule 1. Updated DRP issued to licence holders March 2024.
1.7	<b>LICENCE TRANSFERS</b> a) Section 51(2) of the Act empowers Melbourne Water to approve or reject an application to temporarily or permanently transfer a licence subject to consideration of matters listed under section 51. b) Melbourne Water must ensure that any restrictions or conditions in licences are consistent with the principles specified in prescription 6.6 to specify a maximum volume or percentage allocation of water that a licensee may take or use on any rotated day (or longer water periods).	Yes	<a href="#">Victoria Water Register</a>		0	As Required
7.1	<b>MATTERS THAT MUST BE TAKEN INTO ACCOUNT</b> When exercising its power under Section 53 and 40 of the Act to decide whether to amend, delete or add to the conditions to which a licence is subject which is transferred or renewed, Melbourne Water must have regard to whether the location of which water is taken or collected will, or will not, change.	Yes	<a href="#">Victoria Water Register</a>		0	As Required
7.2	<b>TRANSFER INTO THE WOOLLI YALLOCK CREEK WSPA</b> a) Melbourne Water must not approve an application to transfer a licence into the Protection Area under section 62(2) of the Act until such a time as the Allocation Cap referred to in prescription 6.1(a) is achieved. b) Upon reaching the Allocation Cap referred to in prescription 6.1(a), Melbourne Water must not approve an application to transfer a licence into the Protection Area under section 62(2) of the Act, until such a time as the Allocation Cap referred to in prescription 6.1(a) is achieved.	Yes	<a href="#">Victoria Water Register</a>		0	Permitted Trade - 143 AWL Temporary Trade - 2276 Restrictions in accordance with SFMP.
7.3	<b>GENERAL CONDITIONS ASSOCIATED WITH LICENCE TRANSFERS</b> a) Approving a licence transfer to a licensee or temporarily transferring a licence to take and use water within the Protection Area, Melbourne Water must: i) Amend the conditions of that licence to ensure that water only be taken or collected during the dam-filling period, or ii) Require that the volume of the licence be reduced by 20 per cent, or iii) For transfer other than downstream transfers, amend the conditions of that licence to ensure that water only be taken or collected during the dam-filling period and require that the volume of the licence be reduced by 20 per cent.	Yes	<a href="#">Victoria Water Register</a>		0	8 Permanent Land transfers - 80 DML 1 Subdivision - 8 DML and 9 DML 2 Permanent Trade - 8ML (Reduced to 6.4ML) 6 Temporary Trades - 148 (Reduced to 119.2ML)
7.4	<b>REDUCTION OF THE 20 PER CENT REDUCTION OF LICENCE VOLUME ON TRANSFER</b> a) Upon reaching the Allocation Cap referred to in prescription 6.1(a), the requirement to reduce by 20 per cent the licence volume on transfer of licence under prescription 7.3(a), 7.3(b), 7.7 and 7.8 ceases. b) Upon reaching the Allocation Cap referred to in prescription 6.1(a), prescription 7.6 no longer applies.	Yes	<a href="#">Victoria Water Register</a>		0	
7.5	<b>TRADING ZONES</b> The Woolli Yallock Creek WSPA will be divided up into seven trading zones based on the REALM sub-catchments. Transfer rules within the Woolli Yallock Creek WSPA will be based on these trading zones. Licence holder 'take or give' will be managed at each sub-catchment level.	Yes	<a href="#">Victoria Water Register</a>		0	
7.6	<b>DOWNSTREAM TRANSFERS UNRESTRICTED OF THE TRANSFER ZONE</b> Subject to prescription 7.4(b), in approving an application to permanently or temporarily transfer a licence to take and use water downstream from the Protection Area, Melbourne Water must either: a) Amend the conditions of that licence to ensure that water is only taken or collected during the dam-filling period, or b) Require that the volume of the licence be reduced by 20 per cent.	Yes	<a href="#">Victoria Water Register</a>		0	Downstream Trades reduced by 20% or converted to waterfill
7.7	<b>UPSTREAM TRANSFERS WITHIN A TRADING ZONE</b> Upstream transfers must be subject to the dam-filling period (Miner fill) and the volume of the licence be reduced by 20 per cent subject to prescription 7.4(b).	Yes	<a href="#">Victoria Water Register</a>		0	Downstream trades reduced by 20% or converted to waterfill
7.8	<b>TRANSFERS BETWEEN TRADING ZONES</b> Transfer between Woolli Yallock Creek sub-catchments will only be allowed into sub-catchments where the 80 per cent reliability sub-catchment has not been exceeded and must be converted to the dam-filling period (Miner fill) and the volume of the licence reduced by 20 per cent subject to prescription 7.4(b).	Yes	<a href="#">Victoria Water Register</a>		0	
7.9	<b>TRANSFERS OUT OF THE WOOLLI YALLOCK CREEK WSPA</b> Transfers of licence volumes downstream and out of the Woolli Yallock Creek WSPA will be subject to the licence conditions of the destination licence.	Yes	<a href="#">Victoria Water Register</a>		0	1 Temporary Trade of 75 ML to Yarra River (Upper)
8.1	<b>PROHIBITIONS ON GRANTING NEW REGULATIONS</b> Section 41(1)(a) of the Act allows for a management plan to provide restriction or prohibitions on the issue of licences under Section 57 or 67. 1. Melbourne Water must not issue a licence under section 512(1)(a) or (b) of the Act, unless the allocation level in the Protection Area is at or below the Allocation Cap referred to in prescription 6.1(a), unless the issue of the licence is a result of: a) a transfer of a licence under section 62 of the Act; b) the surrender of a licence to be replaced by a consolidated licence or divided licence or licence with different conditions; c) the surrender of a registration licence to be replaced by a licence in accordance with section 51A of the Act; or d) a sale of water to a water corporation or Minister. 2. If the allocation level is at or below the Allocation Cap referred to in prescriptions 6.1(a), Melbourne Water must not issue a licence under section 512(1)(a) or (b) if the total volume of the Allocation Cap referred to in prescriptions 6.1(a) is exceeded. 3. Melbourne Water must not issue a licence under section 512(1)(a) or (b) for the dam-filling period cap as described in prescription 6.1(a) to be exceeded. 4. For the purposes of this prescription, the dam-filling period cap is 4,823.5 ML plus the volume of any all-year licences transferred to dam-filling licence holders Melbourne Water considers that the beneficial effect on summer flows outweighs the risk of adverse effect on licences. 5. Despite the above, Melbourne Water may at any time issue a licence: a) within class (B) of the Permitted Consumptive Volume Surface Water Order 2020 (amended from time to time), or b) if the licence includes a condition that requires all the water to be returned to the waterway or to be used in the waterway for non-consumptive purposes.	Yes	<a href="#">Victoria Water Register</a>		0	1 Temporary Trade of 75 ML to Yarra River (Upper)
8.2	<b>METER INSTALLATION</b> Melbourne Water must install a flow meter to measure water taken for irrigation or commercial purposes under any licence issued under section 512(1)(a) of the Act in volume valued within the Protection Area under section 512(1)(a) of the Act. The cost of new metering under this clause must be met by the applicant.	Yes	<a href="#">Victoria Water Register</a>		0	New compliance 45477 meters installed during 2023/24
8.3	<b>METER MAINTENANCE PROGRAM</b> Melbourne Water must: a) periodically inspect the condition of each flow meter installed under prescription 8.2; b) maintain each flow meter in good condition; c) replace any damaged flow meters; and d) keep a record of all work done under paragraph (b) and (c).	Yes	<a href="#">Victoria Water Register</a>		0	259 new compliance 45477 meters installed during 2023/24
8.4	<b>METER READING PROGRAM</b> Melbourne Water must read each meter referred to in prescription 8.2 at least: a) once every year in the case of all-year licences, and b) hourly after the beginning and end of the dam-filling period in every year, in the case of a licence for the purpose of dam filling, and c) read record, for each meter: i) the reading obtained; ii) the number of the relevant licence; iii) the date on which the meter is read; and iv) if a meter is defective, register incorrectly or is removed for any reason, estimate the correct registration in any of the following ways: a) by comparison with the quantity of water taken under similar conditions during some other period; b) by comparison with the quantity of water taken after the meter has been restored to proper order; c) by comparison with the registration of a suitable meter and temporarily in place of the defective meter; or d) by applying a correction factor if the meter is found to have a consistent error in registration.	Yes	Victoria Water Register		0	Meters are read and photographed as required. Note for waterfills meters, there is no read at the start and end of the trading period
10.1	<b>FLOW MONITORING PROGRAM</b> Section 41(1)(b) of the Act allows management plans to prescribe requirements for metering and monitoring. Melbourne Water must: a) continuously record flows at the Sella Falls (on Warrindia Yallock Creek 229581), Wellington (on Woolli Yallock Creek 229578), Warrigins (on Shepparton Creek 229577) and Cockburn Creek (229576) and Wellington (on Maccus Creek 229575); b) periodically inspect the condition of each gauging station; c) maintain each gauging station in good condition; and d) keep a record of each inspection and work undertaken under paragraph (a) and (b).	Yes	<a href="#">Victoria Water Register</a>		0	Melbourne Water monitors flows continuously at: • Warrindia Yallock Creek at Sella Falls gauging station (229581) and • Woolli Yallock Creek at Wellington gauging station (229578) • Shepparton Creek at Warrigins gauging station (229577) • Cockburn Creek at Warrigins gauging station (229576) • Maccus Creek at Wellington gauging station (229575)
10.2	<b>PLAN IMPLEMENTATION MONITORING PROGRAM</b> Within 12 months of the approval of this Plan, Melbourne Water must propose to the Minister a program to monitor the implementation of the Plan, including arrangements to monitor: a) the effects of the Plan on the reliability of supply to licensees; b) the ability of the provisions to maintain environmental flows set out in Schedule 1; and c) in-stream environmental indicators.	Yes	<a href="#">Victoria Water Register</a>		0	Monitoring and Evaluation of the plan occurs to inform the Annual Reporting and regular 5 year review processes. The SFMP monitoring plan currently includes collection of data for environmental DNA (eDNA) identified for all 7 SFMP catchments. Long term trends and changes in the condition of priority native fish and invertebrates are now being monitored using this eDNA (this is presence/absence and extent within each SFMP). eDNA data is used in the SFMP's 5 year reviews to determine if any change to the plan is required based on the plan.
10.3	<b>MINISTERIAL APPROVAL OF MONITORING PROGRAM</b> The Minister may: a) approve a plan proposed under prescription 10.2; b) approve that plan, subject to amendments made by the Minister; or c) refuse to approve the plan.	Yes	<a href="#">Victoria Water Register</a>		0	The SFMP monitoring plan is currently being updated to reflect the use of environmental DNA (eDNA) to provide surveillance data for all 7 SFMP catchments.
10.4	<b>IMPLEMENTATION OF MONITORING PLAN</b> Melbourne Water must implement a monitoring plan in the form approved by the Minister under prescription 10.2	Yes	<a href="#">Victoria Water Register</a>		0	Monitoring and Evaluation of the plan occurs to inform the Annual Reporting and regular 5 year review processes. The SFMP monitoring plan currently includes collection of data for environmental DNA (eDNA) identified for all 7 SFMP catchments. Long term trends and changes in the condition of priority native fish and invertebrates are now being monitored using this eDNA (this is presence/absence and extent within each SFMP). eDNA data is used in the SFMP's 5 year reviews to determine if any change to the plan is required based on the plan.
11.1	<b>CONSTRUCTION OF NEW ON-STREAM DAMS</b> Melbourne Water must not issue any licence under section 67 of the Act to construct a new dam on a waterway.	Yes	<a href="#">Victoria Water Register</a>		0	Melbourne Water undertakes field observations and site on reports received from the general community to assess the impact of waterfills. No community reports regarding aesthetic dams were received during the reporting period. Melbourne Water is knowledge no aesthetic dams exist that breach the requirements of this prescription. Melbourne Water has initiated a project to identify changes in farm dam numbers and use using a GIS based tool.
11.2	<b>RESTRICTIONS ON THE OPERATION OF AESTHETIC DAMS</b> A person must not operate a dam for aesthetic purposes at any time when, on the operation of Melbourne Water, the volume of exfiltration from that dam, alone, or in combination with exfiltration of other aesthetic dams in the protection area, would cause the combined volume taken under licences and aesthetic dams to exceed the limits referred to in Prescription 8.2. Prohibitions on granting new allocations.	Yes	<a href="#">Victoria Water Register</a>		0	Melbourne Water has initiated a project to identify changes in farm dam numbers and use using a GIS based tool. Para Rivers State Council are responsible for subdivisions.
11.4	<b>DAMS ON SUB-DIVISIONS</b> The total volume of water for domestic and stock purposes that may be taken from all private dams within a subdivision must not exceed the greater of: a) the total volume taken from all private dams on that land before the relevant plan of subdivision was approved; or b) the total volume required for domestic and stock purposes on that land, as determined by Melbourne Water in accordance with the Residential Domestic and Stock Guidelines (for Rural and Residential Properties contained in the Ministerial Policies for Regulating Private Dams in Rural Residential Areas).	Yes	<a href="#">Victoria Water Register</a>		0	As a result, to our knowledge the total volume of water for domestic and stock purposes has not exceeded the total volume of water from all private dams on that land.
12.1	<b>COMPLIANCE AND REPORTING</b> Melbourne Water must report on its duties in relation to this Plan in each financial year and give the report to the Minister and the Past Presiding and Rivercare Catchment Management Authority by 30 September in each year, and make a copy available for public inspection on its website.	Yes	<a href="#">Victoria Water Register</a>		0	2022-23 Annual Report submitted and received by the Minister within the agreed timeframe and copy available on Melbourne Water Website.
12.2	<b>REVIEW OF THE PLAN</b> Melbourne Water must review the implementation and objectives of this Plan five years after its commencement and thereafter, at intervals of no more than five years. Any consequential amendment will be proposed to the Minister.	Yes	<a href="#">Victoria Water Register</a>		0	Melbourne Water completed a review in 2022 and is currently under review. Due for completion by end of 2024.

**Table 14. Woori Yallock Creek SFMP annual reporting data**

Year	Year	2013-2014	2014-2015	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Permissible Consumptive Volume (PCV)	Total	8,828.0	8,828.0	8,828.0	8,828.0	8,828.0	8,828.0	8,828.0	8,828.0	8,828.0	8,828.0	8,828.0
		4,029.5	4,029.5	4,029.5	4,029.5	4,029.5	4,029.5	4,029.5	4,029.5	4,029.5	4,029.5	4,029.5
No. of licences	No. of licences	714	705	700	696	681	681	678	677	684	680	678
		441	431	428	412	407	407	404	402	409	401	399
		115	116	115	116	115	115	115	116	117	119	119
		140	140	140	141	141	141	141	141	141	141	141
		18	18	17	17	18	18	18	18	17	19	19
Total allocated volume (ML)	Total allocated volume (ML)	9,351.8	9,304.8	9,214.8	9,071.6	9,089.6	9,095.0	9,086.2	8,840.4	8,905.0	8,950.03	9,044.83
		6,494.8	6,436.8	6,349.8	6,194.6	6,180.6	6,186.0	6,183.2	5,928.6	5,968.2	5,971.2	6,106
		1,349.2	1,360.2	1,372.2	1,384.2	1,399.2	1,399.2	1,393.2	1,402.0	1,432.0	1,457.03	1,434.03
		1,115.3	1,115.3	1,115.3	1,115.3	1,115.3	1,115.3	1,115.3	1,115.3	1,115.3	1,115.3	1,115.3
		392.5	392.5	377.5	377.5	394.5	394.5	394.5	394.5	389.5	406.5	389.5
No. of metered licences	No. of metered licences	357	359	341	336	329	362	358	330	330	331	358
Total metered volume (ML)	Total metered volume (ML)	6721.00	6797.20	6541.40	6341.47	6194.20	6165.10	5793.10	6202.73	6277.93	6336.93	6799.4
Total metered use (ML)	Total metered use (ML)	2328.5	2252.8	2506.25	1863.1	2278.7	2166.8	1112.5	1286.1	1634.38	1291.49	1592.7
Metered use as % of metered allocation	Metered use as % of metered allocation	34.6%	33.1%	38.3%	29.4%	36.8%	35.1%	19.2%	20.7%	26.0%	20.4%	23.4%
Metered use as % of PCV	Metered use as % of PCV	18.1%	17.5%	19.5%	14.5%	17.7%	16.9%	8.7%	10.0%	12.7%	10.0%	12.4%
No. of licences with use greater than allocation	No. of licences with use greater than allocation	10	10	9	4	13	23	9	9	13	10	3
Allocation surrendered within the WSPA (ML)	Allocation surrendered within the WSPA (ML)	n/a	26	22	45	42	22	10	29	29	0	0
New allocation issued within the WSPA (ML)	New allocation issued within the WSPA (ML)	n/a	n/a	0	0	0	0	0	0	0	0	0
Permanent transfers within WSPA (ML)	Permanent transfers within WSPA (ML)	407	270.4	291	576	223.2	411	319	119.0	49.0	66.4	143.4
Temporary transfers within WSPA (ML)	Temporary transfers within WSPA (ML)	74	166	259	200	248.0	394.0	199.0	325.0	202.0	119.2	84.6
Permanent transfers out of WSPA (ML)	Permanent transfers out of WSPA (ML)	0	87	42	50	14.0	7.0	0.0	22.0	10.0	0	0
Temporary transfers out of WSPA (ML)	Temporary transfers out of WSPA (ML)	n/a	50	20	75	149.0	0.0	149.0	149.0	75.0	75	75
Number of new dam on waterway licences issued	Number of new dam on waterway licences issued	n/a	n/a	0	0	0	0	0	0	0	0	0
Number of days on ban	Number of days on ban	7	2	88	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
		n/a	n/a	n/a	44	83	194	5	0	0	0	0
		7	2	88	12	176	264	45	1	0	0	0
		18	15	104	1	99	115	20	0	11	0	0
		n/a	n/a	n/a	0	58	189	12	0	0	0	0
Number of days on rosters	Number of days on rosters	39	90	106	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
		n/a	n/a	n/a	111	115	76	69	30	44	0	0
		n/a	n/a	n/a	131	107	82	147	49	37	0	22
		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0	0	0
		n/a	n/a	n/a	37	109	65	17	0	0	0	0

**Note 1:** In total across past five years there has been a reduction of 425ML. This has been a result of surrender, cancellation or trade out of the catchment as well as through the application of 20% reduction applying to particular trades within the catchment.

(-) not previously reported on as an individual figure in the SFMP annual report.

(-) not previously reported on as an individual figure in the SFMP annual report.

Catchment includes 1 additional non-consumptive licence for 1,606ML for aquaculture (fish farm).