



2021-22 Annual Stream Flow Management Plan - Supplementary Data Report

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

Table 1. Hoddles Creek SFMP Annual Report Checklist

Reporting Period

2020-21

2021-22

Prescription No.	Prescription	Compliance	Supporting Data	Comment	Comment
8	PERMISSIBLE ANNUAL VOLUME 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. 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. Note: Section 22A gives the Minister power to declare a permissible annual volume from time to time by Order published in the Government Gazette. 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.	Yes	2021-22 PAV		
9	PROHIBITIONS ON GRANTING NEW LICENCES 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: (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 (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. 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 annual volume for that year or a future year, being exceeded. 9.2 By 1 October 2003, Melbourne Water must determine and notify the Minister of, the total volume of water for which: (a) licences have been issued under section 51A; and (b) registration licences have been issued under section 51(1A), of the Act within the Protection Area. 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.	Yes	Allocation granted in 2021-22	One new farm Dam Registration (2ML) licences issued. Note this was received in early 2000's but was never processed by Melbourne Water. All other trading confined to within catchment.	Nil
10	TRANSFERRING LICENCES Note: Section 62 of the Act empowers Melbourne Water to approve an application temporarily or permanently to transfer a licence. 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: (a) upstream of Yellow Gum Road, unless the proposed transferee will take or collect water under the transferred licence downstream of that location; or (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. 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.	Yes	Licence transfers in 2021-22	Only transfers that occurred in the catchment were related to sale of land and transfer to the new owner. There was one permanent trade of 45ML ie downstream trade to existing customer	Only transfers that occurred in the catchment were related to sale of land and transfer to the new owner.
11	NEW DAMS 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.	Yes	Number of new dam on waterway licences		
12	ROSTERS AND RESTRICTIONS 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.	Yes	Days on bans and restrictions	No rosters or restrictions developed for Hoddles Creek to date. Low number of users at present accessing water.	No rosters or restrictions developed for Hoddles Creek to date. Low number of users at present accessing water.
13	LICENCE CONDITIONS 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.	Yes	Victorian Water Register		
14	STREAM FLOW MONITORING PROGRAM Melbourne Water must: (a) continuously record the flows at the Launching Place gauging station; and (b) periodically record flows at the gauge-board at Hazeldene Road when it considers it appropriate to do so; and (c) periodically inspect the condition of the Launching Place gauging station; and (d) maintain the Launching Place gauging station in good condition; and (e) keep a record of each inspection and all work undertaken under paragraph (a), (b), (c) or (d).	Yes			
15	INSTALLING METERS 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. 15.2 Melbourne Water must: (a) periodically inspect the condition of each flow meter installed under sub-clause 15.1; and (b) maintain each flow meter in good condition; and (c) replace any damaged flow meter; and (d) keep a record of all work done under paragraph (b) and (c).	Yes	Number of metered licences	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.
16	READING METERS Melbourne Water must: (a) read each meter referred to in sub-clause 15.1 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 winter-fill period in every year, in the case of a winter-fill licence; and (b) record, for each meter: (i) the reading obtained; and (ii) the number of the relevant licence; and (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; or (ii) by comparison with the quantity of water taken after the meter has been restored to proper order; or (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.	Yes	Diversions Database	Meter readings carried out in accordance with this clause. Dates and readings recorded in Diversions database.	Meter readings carried out in accordance with this clause. Dates and readings recorded in Diversions database.
17	MAINTAINING ENVIRONMENTAL FLOWS 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. 17.2 1 December to 31 May (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: (i) is 4ML or less per day, at any time before 31 July 2004; or (ii) is 5ML or less per day, at any time after 31 July 2004. (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. 17.3 1 June to 30 November 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: (a) 10 ML or less per day, at any time during the period of 1 June to 31 October; and (b) 6.9 ML or less per day, at any time during the month of November.	Yes		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	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	MONITORING THE IMPLEMENTATION OF THE PLAN 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. 18.2 A program proposed under sub-clause 18.1 must include arrangements to monitor: (a) the effects of the Plan on the reliability of supply to licensees within the Protection Area; and (b) the ability of the provisions to maintain environmental flows set out in clause 17; and (c) in-stream environmental indicators within the Protection Area; and (d) indicators against which Melbourne Water's performance in implementing this Plan can be measured. 18.3 The Minister may: (a) approve a plan proposed under sub-clause 18.1; or (b) approve that plan, subject to amendments made by the Minister; or (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.	Yes		The Minister approved the Stream Flow Monitoring Plan for Melbourne Water's eight SFMP catchments in 2013. The monitoring plan is implemented annually.	The Minister approved the Stream Flow Monitoring Plan for Melbourne Water's eight SFMP catchments in 2013. The monitoring plan is implemented annually.
19	REPORTING 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: (a) give the report to the Minister and the Port Phillip Catchment Management Authority by 30 September in each year; and (b) make a copy available for public inspection at its offices.	Yes			
20	REVIEW OF PLAN Melbourne Water must: (a) review the operation of this Plan: (i) not more than 5 years after it commences; and (ii) thereafter, at intervals of no more than 5 years; and (b) propose any consequential amendment (if any) to the Minister. 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	Yes		Melbourne Water completed a review of Hoddle Creek SFMP in 2013. It is currently under review.	Melbourne Water completed a review of Hoddle Creek SFMP in 2013. It is currently under review.

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

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

Table 3. Little Yarra and Don Rivers SFMP Annual Report Checklist

Reporting Period

2020-21

2021-22

Prescription No.	Prescription	Compliance	Supporting Data	Comments	Comments
1.	<p>PROHIBITIONS ON GRANTING NEW LICENCES</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> <p>a) The Permissible Consumptive Volume declared for the Yarra Basin; or</p> <p>b) 1,357 ML in the Little Yarra River catchment; or</p> <p>c) 145 ML in the Don River catchment.</p> <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	Allocation granted in 2021-22	No new licences issued and trading confined to within catchment.	No new licences issued and trading confined to within catchment.
2	<p>ROSTERING AND RESTRICTIONS</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> <p>(i) The relative requirements of different crops and other uses of land for water;</p> <p>(ii) Differences between the 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, give the matters referred to in subparagraphs (i) and (ii) above.</p> <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 & 9am and 6pm & 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 regards to points (i), (ii) and (iii)</p>	Yes	Days on bans and restrictions	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 Don River at this time. Water demand remains low in this catchment and rosters are therefore not warranted.	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 Don River at this time. Water demand remains low in this catchment and rosters are therefore not warranted.
3	<p>TRANSFERRING LICENCES</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> <p>a) The limits referred to in Prescription 1 are not exceeded; and</p> <p>b) Any licence traded into the Little Yarra catchment is converted to winter-fill; and</p> <p>c) All licences traded upstream are converted to winter-fill; and</p> <p>d) All licences traded downstream within the catchment retain their volume and take period; and</p> <p>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 130 ML.</p> <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> <p>a) The limits referred to in Prescription 1 are not exceeded; and</p> <p>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</p> <p>c) Licences traded downstream retain their volume and take period.</p> <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	Licence transfers in 2019-20	5 transfers occurred in the catchment that were related to sale of land and transfer to the new owner. 30ML was traded to Environment Water Reserve allocation as per historical agreement that was missed at that time.	2 transfers occurred in the catchment that were related to sale of land and transfer to the new owner/s. One temporary trade was issued for 1ML.
4	<p>METERING AND MONITORING</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> <p>a) Meter all licences over 5 ML, excluding registration licences,</p> <p>b) Read meters and store metering information, and</p> <p>c) Read meters at the start and end of each licence period.</p> <p>4.2 Melbourne Water must:</p> <p>a) Continuously record and store information on flows at the Little Yarra River gauge (229214) and Don River gauge (229220B).</p> <p>b) Periodically inspect the condition of each gauging station,</p> <p>c) Maintain each gauging station in good condition, and</p> <p>d) Keep a record of each inspection and work undertaken under paragraph (b) or (c).</p>	Yes	Number of metered licences	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. Melbourne water monitors flows continuously at Little Yarra River gauge (229214) and Don River gauge (229220B)	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. Melbourne water monitors flows continuously at Little Yarra River gauge (229214) and Don River gauge (229220B)
5	<p>NEW DAMS, AESTHETIC DAMS AND DAMS ON SUBDIVISIONS</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. 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 licenced 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 particulate 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>5.3 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> <p>a) Those dams that were there before the Plan; or</p> <p>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.</p> <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> <p>a) Deemed to be for aesthetic purposes if it is constructed after the commencement of this plan and is used for recreational purposes; but</p> <p>b) Not deemed to be aesthetic purposes if it is:</p> <p>(i) Constructed or used for domestic and stock and is a reasonable size for its intended use; or</p> <p>(ii) Designed specifically for environmental, rather than aesthetic or recreational purposes and is used for erosion control or biodiversity conservation purposes.</p>	Yes	Number of new dam on waterway licences.	Yarra Ranges Shire Council are responsible for subdivisions. We are not aware that any subdivision contained any dams. As a result of 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.	Yarra Ranges Shire Council are responsible for subdivisions. We are not aware that any subdivision contained any dams. As a result of 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	<p>LICENCE CONDITIONS</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 & 1.6 of Schedule 1.</p>	Yes	Victorian Water Register		
7	<p>ANNUAL REPORTING</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> <p>a) Changes to the level and type of development within the area including:</p> <p>(i) The extend of water usage resulting from transfers</p> <p>(ii) Location and impact of new take and use licences</p> <p>b) Water usage information</p> <p>c) The effectiveness of management prescriptions in meeting the objectives of the Plan including:</p> <p>(i) Metering,</p> <p>(ii) Flow monitoring,</p> <p>(iii) Restrictions and rosters</p> <p>(d) Including the details and findings of any relevant complementary works or studies (e.g. environmental studies) being undertaken in the catchments.</p> <p>(e) Any difficulties associated with, and progress towards, meeting environmental flows specified in the Plan</p>	Yes	2021-22 water usage	The Minister approved the Stream Flow Monitoring Plan for Melbourne Water’s eight SFMP catchments in 2013. The monitoring plan is implemented annually.	The Minister approved the Stream Flow Monitoring Plan for Melbourne Water’s eight SFMP catchments in 2013. The monitoring plan is implemented annually.
8	<p>REVIEW OF PLAN</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> <p>a) Review the implementation of this Plan:</p> <p>(i) Five years after its commencement</p> <p>(ii) Thereafter, at intervals of no more than five years, and</p> <p>b) Assess the effectiveness of management prescriptions in meeting each of the objectives of the Plan, as per section 4 of this Plan.</p> <p>c) Propose any consequential amendment (if any) to the Minister</p>	Yes		Melbourne Water has completed this review process in 2019 and recommitted to the Plan unamended.	Melbourne Water has completed this review process in 2019 and recommitted to the Plan unamended.

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
Permissible Consumptive Volume (PCV)	Little Yarra River	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
No. of licences	Little Yarra River									
	Total	115	114	112	112	112	112	112	112	112
	All Year	78	77	75	75	75	75	75	75	75
	Winter-fill	21	21	21	21	20	20	20	20	20
	Farm Dam Registration	15	15	15	15	15	15	15	15	15
	Farm Dam Licence	1	1	1	1	2	2	2	2	2
	Don River									
	Total	16	16	16	16	16	14	14	14	14
	All Year	15	15	15	15	15	13	13	13	13
	Winter-fill	0	0	0	0	0	0	0	0	0
	Farm Dam Registration	1	1	1	1	1	1	1	1	1
	Farm Dam Licence	0	0	0	0	0	0	0	0	0
Total allocated volume (ML)	Little Yarra River									
	Total	1,362	13,591	1,355	1,355	1,355	1,355	1,355	1,325	1,325
	All Year	852	849	845	845	845	845	845	815	815
	Winter-fill	289	289	289	289	247	247	247	247	247
	Farm Dam Registration	216	216	216	216	216	216	216	216	216
	Farm Dam Licence	5	5	5	5	47	47	47	47	47
	Don River									
	Total	139	139	139	139	139	139	139	139	139
	All Year	138	138	138	138	138	138	138	138	138
	Winter-fill	0	0	0	0	0	0	0	0	0
	Farm Dam Registration	1	1	1	1	1	1	1	1	1
	Farm Dam Licence	0	0	0	0	0	0	0	0	0
No. of metered licences	Little Yarra River	28	28	25	25	26	26	26	27	27
	Don River	4	4	4	4	4	4	4	4	4
Total metered volume (ML)	Little Yarra River	748	748	727	727	727	664	674	680	680
	Don River	99	99	99	99	99	109	109	109	79
Total metered use (ML)	Little Yarra River	187.9	159.6	263.67	161.43	172	195.3	117.16	134.48	188.29
	Don River	2.3	0.4	0.67	3.8	0.7	0.4	9.94	0.03	1.02
Metered use as % of metered allocation	Little Yarra River	25.1%	21.3%	36.3%	22.2%	23.7%	29.4%	17.4%	19.8%	27.7%
	Don River	2.3%	0.4%	0.7%	3.8%	0.7%	0.4%	9.1%	0.0%	1.3%
Metered use as % of PCV	Little Yarra River	13.8%	11.8%	19.4%	11.9%	12.7%	14.4%	8.6%	9.9%	13.9%
	Don River	1.59%	0.28%	0.46%	2.62%	0.48%	0.28%	6.86%	0.02%	0.70%
No. of licences with use greater than allocation	Little Yarra River	1	0	0	0	0	0	1	1	1
	Don River	0	0	0	0	0	0	0	0	0
Allocation surrendered within the WSPA (ML)	Little Yarra River	n/a	3	4	0	0	0	30	0	0
	Don River	n/a	0	0	0	0	10	0	0	0
New allocation issued within the WSPA (ML)	Little Yarra River	n/a	0	0	0	0	0	0	0	0
	Don River	n/a	0	0	0	0	0	0	0	0
Permanent transfers within WSPA (ML)	Little Yarra River	107	19	18	12	2	15	81	49	67
	Don River	4	0	0	2	2	10	0	0	0
Temporary transfers within WSPA (ML)	Little Yarra River	0	0	0	0	0	0	2	1	1
	Don River	0	0	0	0	0	0	0	0	0
Permanent transfers out of WSPA (ML)	Little Yarra River	0	0	0	0	0	0	0	0	0
	Don River	10	0	0	0	0	0	0	0	0
Temporary transfers out of WSPA (ML)	Little Yarra River	n/a	0	0	0	0	0	0	0	0
Number of new dam on waterway licences issued	Don River	n/a	0	0	0	0	0	0	0	0
Number of days on ban	Little Yarra River	37	3	96	27	81	75	75	0	0
	Don River	0	0	0	0	24	166	20	0	0
Number of days on rosters	Little Yarra River	71	97	102	125	107	145	72	0	0
	Don River	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

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

Table 5. Olinda Creek SFMP Annual Report Checklist

Reporting Period

2020-21

2021-22

Prescription No.	Prescription	Compliance	Supporting Data	Comments	Comments
8	PROHIBITIONS ON GRANTING NEW LICENCES Melbourne Water must refuse an application under section 51(1)(a) or (ba) of the Act if, in its opinion, the approval of the application will or may cause: (a) the total volume of water taken in any year under all all-year licences to exceed 607.3 ML; or (b) the total volume of water taken in any year under all winter-fill licences to exceed 973 ML. 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.	Yes	Allocation granted in 2021-22		
9	TRANSFERRING LICENCES Note: Section 62 of the Act empowers Melbourne Water to approve an application to temporarily or permanently transfer a licence. 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: (a) the total volume of water taken in any year under all all-year licences to exceed 607.3 ML; or (b) the total volume of water taken in any year under all winter-fill licences to exceed 973 ML; or (c) the total volume of water taken in any year under all all-year licences and all winter-fill licences to exceed 1367 ML. 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. 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: (a) to any upstream location if the licence is converted to winter-fill licence; or (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 (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. 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. 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.	Yes	License transfers in 2021-22	2 Land Transfers (13+14 ML) plus 2 Temporary downstream trades (13+13 ML).	3 Land Transfers (13+14 ML) plus 2 Temporary downstream trades (13+13 ML).
10	NEW DAMS 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.	Yes	Number of new dam on waterway licences		
11	ROSTERS 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. 11.2 Melbourne Water may implement rosters if stream flows fall: (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 (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. 11.3 In developing rosters or restrictions, Melbourne Water must have regard to the need to: (a) maintain flows above the minimum levels specified under licence condition 1.1 of Schedule 3; and (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 (c) take account of: (i) the relative requirements of different crops and other uses of land for water; and (ii) differences between types of licence, maximum volumes which may be taken under licences, and pumping capacities; and (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); 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). 11.5 Melbourne Water must ensure that each licensee has an up to date copy of any roster that is developed.	Yes	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 licences.	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 licences.
12	LICENCE CONDITIONS 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.	Yes	Victorian Water Register		
13	STREAM FLOW MONITORING PROGRAM 13.1 Melbourne Water must: (a) continuously record flows at the York Rd gauge and Macintyre Lane gauge; and (b) periodically inspect the condition of these gauging stations; and (c) maintain these gauging stations in good condition; and (d) keep a record of each inspection and all work undertaken under paragraph (b) and (c) (e) make all flow data publicly available, or as requested by the Minister.	Yes		Melbourne Water continuously monitors flows at: • York Road gauging station (229690A); and • McIntyre Lane gauging station (229258A); The McIntyre Lane gauge was installed in 2008 and commissioned in January 2011 to meet prescription 13.1	Melbourne Water continuously monitors flows at: • York Road gauging station (229690A); and • McIntyre Lane gauging station (229258A); The McIntyre Lane gauge was installed in 2008 and commissioned in January 2011 to meet prescription 13.1
14	INSTALLING METERS 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)(ba) of the Act to take and use 5 ML or a greater volume. 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 47 winter-fill licence issued under section 51(1)(a) or 51(1)(ba) of the Act to take and use less than 5 ML. 14.3 Melbourne Water must: (a) periodically inspect the condition of each flow meter referred to in sub-clauses 14.1 and 14.2; and (b) maintain each flow meter in good condition; and (c) replace any damaged flow meter; and (d) keep a record of all work done under paragraph (b) and (c).	Yes	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 Diversions team.	Meter maintenance data captured in Melbourne Water's Asset Management system (Maximo). Maintenance of meters is scheduled every 5 years. Program available from Diversions team.
15	READING METERS Melbourne Water must: (a) read each meter referred to in sub-clause 14.1 and 14.2 at least: (i) in the case of an all-year licence, once in every year; and (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 (b) record, for each meter: (i) the reading obtained; and (ii) the number of the relevant licence; and (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; or (ii) by comparison with the quantity of water taken after the meter has been restored to proper order; or (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. (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.	Yes	Diversions Database		
16	MAINTAINING ENVIRONMENTAL FLOWS Melbourne Water must do its best to ensure that licensees comply with the conditions referred to in Item 1.1 in Schedule 3.	Yes		Compliance with licence conditions is monitored using: • 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	Compliance with licence conditions is monitored using: • 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	DAMS ON SUBDIVISIONS 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: (a) the total volume retained in 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 each lot within the subdivision as determined by Melbourne Water in accordance with the Act.	Yes		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.	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	REPORTING Melbourne Water must report on its activities in carrying out its duties in relation to this Plan in each financial year and: (a) give the report to the Minister and the Port Phillip and Westernport Catchment Management Authority by 30 September in each year; and (b) make a copy available for public inspection at its offices.	Yes			
19	MONITORING THE EFFECTS OF THE PLAN 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. 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.	Yes		The Minister approved the Stream Flow Monitoring Plan for Melbourne Water's eight SFMP catchments in 2013. The monitoring plan is implemented annually.	The Minister approved the Stream Flow Monitoring Plan for Melbourne Water's eight SFMP catchments in 2013. The monitoring plan is implemented annually.
20	REVIEW OF PLAN 20.1 Melbourne Water must: (a) review the operation of this Plan: (i) not more than 5 years after it commences; and (ii) thereafter, at intervals of no more than 5 years; and (b) propose any consequential amendment (if any) to the Minister. 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.	Yes		Melbourne Water reviewed this Olinda Creek SFMP in 2013. It was approved with amendments in August 2018. DELWP required us to monitor flows on Lyrebird Creek. The only licence holder at the upstream end of Lyrebird Creek is Parks Victoria (PV) at Dandenong Ranges Botanical Gardens. They pump from their main irrigation onstream dam and already pass flow downstream via their compensation pipe. They are fully aware of the environmental issues downstream. A site inspection showed that water was being passed downstream constantly from this PV onstream dam.	Melbourne Water reviewed this Olinda Creek SFMP in 2013. It was approved with amendments in August 2018. DELWP required us to monitor flows on Lyrebird Creek. The only licence holder at the upstream end of Lyrebird Creek is Parks Victoria (PV) at Dandenong Ranges Botanical Gardens. They pump from their main irrigation onstream dam and already pass flow downstream via their compensation pipe. They are fully aware of the environmental issues downstream. A site inspection showed that water was being passed downstream constantly from this PV onstream dam.

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
Permissible Consumptive Volume (PCV)	All Year	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7
	Winter-fill	574	574	574	574	574	574	574	574	574
No. of licences	Total	66	63	61	61	61	60	58	58	58
	All Year	50	47	45	45	45	44	42	42	42
	Winter-fill	6	6	6	6	6	6	6	6	6
	Farm Dam Registration	10	10	10	10	10	10	10	10	10
	Farm Dam Licence	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
	All Year	567	562.6	556.6	556.6	556.6	549.6	531.6	531.6	531.6
	Winter-fill	119	119	119	119	119	124.6	124.6	124.6	124.6
	Farm Dam Registration	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
	Farm Dam Licence	0	0	0	0	0	0	0	0	0
No. of metered licences	Total	23	24	22	22	24	24	21	22	22
Total metered volume (ML)	Total	380	389.6	385.6	385.6	381.6	384.2	401.2	397.2	397.2
Total metered use (ML)	Total	112.5	160.3	158.15	180.2	104.7	149.26	73.26	103.61	90.88
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%
Metered use as % of PCV	Total	8.90%	12.70%	12.55%	14.30%	8.31%	11.85%	5.82%	8.22%	7.21%
No. of licences with use greater than allocation	Total	1	0	0	0	1	1	0	1	0
Allocation surrendered within the WSPA (ML)	Total	n/a	0	6	0	0	7	18	0	0
New allocation issued within the WSPA (ML)	Total	n/a	0	0	0	0	0	0	0	0
Permanent transfers within WSPA (ML)	Total	86	27	4	22	12	57.6	126	27	0
Temporary transfers within WSPA (ML)	Total	25	5	0	0	4	0	0	26	26
Permanent transfers out of WSPA (ML)	Total	0	0	0	0	0	0	18	0	0
Temporary transfers out of WSPA (ML)	Total	n/a	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
Number of days on ban	Upper	36	14	118	19	171	245	29	129	195
	Lower	35	44	108	47	105	89	8	0	0
Number of days on rosters	Upper	0	0	55	10	15	15	6	32	10
	Lower	8	14	20	14	21	33	30	1	17

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

Table 7. Plenty River SFMP Annual Report Checklist

Reporting Period

2020-21

2021-22

Prescription No.	Prescription	Compliance	Supporting Data	Comments	
8	<p>PERMISSIBLE CONSUMPTIVE VOLUME</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.</p> <p>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	2021-22 PAV		
9	<p>PROHIBITIONS ON GRANTING NEW LICENCES</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 316 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	Allocation granted in 2021-22		
10	<p>TRANSFERRING LICENCES</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	Licence transfers in 2021-22	No transfers or trades in 19/20	No transfers or trades in 2020/21
11	<p>ROSTERS AND RESTRICTIONS</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	Days on bans and restrictions	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>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.</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>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.</p>
12	<p>LICENCE CONDITIONS</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 3 is subject to each condition set out in that Schedule, in relation to that purpose.</p>	Yes	Victorian Water Register		
13	<p>STREAM FLOW MONITORING PROGRAM</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		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).	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>INSTALLING METERS</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 ²	Number of metered licences	14.1 - Meters have been fitted to all 'active' commercial or irrigation licensees' equipment greater than 5ML. This does not include registered farm dams. <p>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.</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 Diversions team.</p>	14.1 - Meters have been fitted to all 'active' commercial or irrigation licensees' equipment greater than 5ML. This does not include registered farm dams. <p>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.</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 Diversions team.</p>
15	<p>READING METERS</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>(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	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>MAINTAINING ENVIRONMENTAL FLOWS</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		Compliance with licence conditions is monitored using:	Compliance with licence conditions is monitored using:
17	<p>MONITORING THE IMPLEMENTATION OF THE PLAN</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) 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>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		The Minister approved the Stream Flow Monitoring Plan for Melbourne Water's eight SFMP catchments in 2013. <p>The monitoring plan is implemented annually.</p>	The Minister approved the Stream Flow Monitoring Plan for Melbourne Water's eight SFMP catchments in 2013. <p>The monitoring plan is implemented annually.</p>
18	<p>REPORTING</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			
19	<p>REVIEW OF PLAN</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		Melbourne Water has completed a review of Plenty Creek SFMP in 2020 and has commenced the engagement process to seek to repeal the plan and replace with a Local Management Plan.	Melbourne Water has completed a review of Plenty Creek SFMP in 2020 and has commenced the engagement process to seek to repeal the plan and replace with a Local Management Plan.

Note 1: 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:

- Licence holders applying to install a pump, thereby indicating their intention to take water
- Routine property inspections every five years, and
- Reviewing aerial images that indicate if irrigation may be occurring within the catchment.

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.

Note 2: The feasibility of amending this prescription so that only active waterway licenses are required to be metered should be considered in future SFMP reviews.

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
Permissible Consumptive Volume (PCV)	Total	669	669	669	669	669	669	669	669	669
No. of licences	Total	36	36	36	35	35	35	35	35	35
	All Year	9	9	9	8	8	8	8	8	8
	Winter-fill [4]	84	8	8	8	8	8	8	8	8
	Farm Dam Registration	18	18	18	18	18	18	18	18	18
	Farm Dam Licence	1	1	1	1	1	1	1	1	1
Total allocated volume (ML) [3]	Total	662	662	662	657	660	660	660	660	660
	All Year	51	51	51	46	49	49	49	49	49
	Winter-fill [4]	315	315	315	315	315	315	315	315	315
	Farm Dam Registration	286	286	286	286	286	286	286	286	286
	Farm Dam Licence	10	10	10	10	10	10	10	10	10
No. of metered licences	Total [1]	4	4	4	4	4	4	4	4	4
Volume of licences metered (ML)	Total	120	120	120	120	120	120	120	120	120
Total metered use (ML)	Total	47.3	107.91	106.18	91.55	84.5	100.9	20.57	8.02	21.77
Metered use as % of metered allocation	Total	39.40%	89.90%	88.50%	76.29%	70.42%	84.08%	17.14%	6.68%	18.14%
Metered use as % of PCV	Total	7.10%	16.10%	15.90%	13.68%	12.63%	15.08%	3.07%	1.20%	3.25%
No. of licences with use greater than allocation	Total	0	2	0	0	2	2	2	0	1
Allocation surrendered within the WSPA (ML)	Total	n/a	0	0	0	2	0	0	0	0
New allocation issued within the WSPA (ML)	Total	n/a	0	0	0	0	0	0	0	0
Permanent transfers within WSPA (ML)	Total	2	29	77	3	0	0	0	0	0
Temporary transfers within WSPA (ML)	Total	0	0	0	0	0	0	0	0	0
Permanent transfers out of WSPA (ML)	Total	0	0	0	0	2	0	0	0	0
Temporary transfers out of WSPA (ML)	Total	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
Number of days on ban	Total	54	93	116	61	79	183	53	50	80
Number of days on restriction	Total	0	0	0	0	0	0	0	0	0

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

Note 1: No all-year licences metered as they are inactive.

Note 2: Note, this consumption does not allow for catchment flows and other inputs, i.e. bores and/or roof areas, etc.

Note 3: 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 with the government and MW policies on stormwater licences in urban areas.

Note 4: 1 additional winter-fill licence of 5ML has been added in 2013-14. This licence previously omitted due to an incorrect catchment being recorded

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

Reporting Period

2020-21

2021-22

Prescription No.	Prescription	Compliance	Supporting Data	Comments	Comments
8	PROHIBITIONS ON GRANTING NEW LICENCES 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: (a) the total volume of water taken in any year under all year licence to exceed 988 ML plus the volume of any existing farm dams still to be registered or licensed; or (b) the total volume of water taken in any year under winter-fill licence to exceed 696 ML. 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. Note 2: Section 55(2B) 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.	Yes	Allocation granted in 2021-22		
9	TRANSFERRING LICENCES Note: Section 62 of the Act empowers Melbourne Water to approve an application temporarily or permanently to transfer a licence. 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. 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. 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. 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.	Yes	Licence transfers in 2021-22	4 Land Transfers (15 - winterfill and 4, 35 & 3 ML - Registered Farm Dams)	1 Permanent trade of existing 15ML Licensed Farm Dam to Dixons Creek as a winterfill. Consolidation of existing licenses on property. BEE019887 increased from 7ML to 15ML. 15ML Licensed farm Licence cancelled and surrendered.
10	NEW DAMS, AESTHETIC DAMS AND DAMS ON SUBDIVISIONS 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.	Yes	Number of new dam on waterway licences		
11	LICENCE CONDITIONS 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.	Yes	Victorian Water Register		
12	STREAM FLOW MONITORING PROGRAM 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. 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: (a) Steels Creek below Gulf Road and adjacent to the aqueduct; and (b) Dixons Creek on the highway below Gulf Road or, alternatively, at the bridge and siphon crossing; and (c) Pauls Creek on the Old Healesville Road or alternatively, below Botting's Lane. 12.3 Melbourne Water must implement the completed review referred to in sub-clause 12.1. 12.4 Melbourne Water must: (a) continuously record flows 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 (b) periodically inspect the condition of these gauging stations; and (c) maintain these gauging stations in good condition; and (d) keep a record of each inspection and all work undertaken under paragraph (a).	Yes		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. Melbourne Water currently monitors flows continuously at: • Pauls Creek Gauge at Tarrawarra (229245A) • Steels Creek at Yarra Glen (229246B) • Dixons Creek at Melba Highway Yarra Glen (229290A).	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. Melbourne Water currently monitors flows continuously at: • Pauls Creek Gauge at Tarrawarra (229245A) • Steels Creek at Yarra Glen (229246B) • Dixons Creek at Melba Highway Yarra Glen (229290A).
13	INSTALLING METERS 13.1 After the commencement of this SFMP, 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. 13.2 Melbourne Water must: (a) periodically inspect the condition of each flow meter installed under sub clause 13.1; and (b) maintain each flow meter in good condition; and (c) replace any damaged flow meter; and (d) keep a record of all work done under paragraph (b) and (c).	Yes	Number of metered licences	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.	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.
14	READING METERS Melbourne Water must: (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 (b) record, for each meter: (i) the reading obtained; and (ii) the number of the relevant licence; and (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; or (ii) by comparison with the quantity of water taken after the meter has been restored to proper order; or (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.	Yes	Diversions 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	MAINTAINING ENVIRONMENTAL FLOWS 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. 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. (a) Steels Creek minimum flow is 7.0 ML or less per day at the compliance gauge; (b) Dixons Creek minimum flow is 7.0 ML or less per day at the compliance gauge; (c) Pauls Creek minimum flow is 5.0 ML or less per day at the compliance gauge; subject to sub-clause 15.4. 15.3 The compliance gauge is: (a) Steels Creek gauging station for licensees taking water from any waterway within the Steels Creek catchment; or (b) Steels Creek gauging station for licensees taking water from any waterway within the Dixons Creek catchment; or (c) Pauls Creek gauging station for licensees taking water from any waterway within the Pauls Creek catchment; subject to sub-clause 15.4. 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. 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.	Yes	Days on bans and restrictions	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	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
16	ROSTERS 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. 16.2 Melbourne Water must do its best to ensure water users comply with any roster agreed to under clause 16.1.	No		16.1 - As reported in previous years, due to the highly intermittent nature of the resource, and small number of diverters 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. 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"	16.1 - As reported in previous years, due to the highly intermittent nature of the resource, and small number of diverters 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. 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"
17	AESTHETIC DAMS 17.1 For the purposes of this clause, a dam is: (a) operated for aesthetic purposes, if it is constructed after the commencement of this SFMP and is used for aesthetic or recreational purposes; but (b) not operated for such purposes if it is: (i) constructed or used for domestic, 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. 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.	Yes		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.	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.
18	MONITORING THE EFFECTS OF THE PLAN 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. 18.2 A program proposed under sub-clause 18.1 must include arrangements to monitor: (a) the effects of the SFMP on the reliability of supply to licensees within the Protection Area; and (b) the ability of the provisions to maintain environmental flows set out in Schedule 3; and (c) in-stream environmental indicators within the Protection Area; and (d) indicators against which Melbourne Water's performance in implementing this SFMP can be measured. 18.3 The Minister may: (a) approve a program proposed under sub-clause 18.1; or (b) approve that program, subject to amendments made by the Minister; or (c) refuse to approve the program. 18.4 Melbourne Water must implement a program in the form approved by the Minister under sub clause 18.3.	Yes		The Minister approved the Stream Flow Monitoring Plan for Melbourne Water's eight SFMP catchments in 2013. The monitoring plan is implemented annually.	The Minister approved the Stream Flow Monitoring Plan for Melbourne Water's eight SFMP catchments in 2013. The monitoring plan is implemented annually.
19	REPORTING 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: (a) give the report to the Minister and the Port Phillip Catchment Management Authority by 30 September in each year; and (b) make a copy available for public inspection at its offices.	Yes			
20	REVIEW OF PLAN Melbourne Water must: (a) review the operation of this SFMP: (i) not more than 5 years after it commences; and (ii) thereafter, at intervals of no more than 5 years; and (b) propose any consequential amendment (if any) to the Minister. 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	Yes		Melbourne Water reviewed this SFMP in 2013. Melbourne Water has completed the 5 yearly review in 2020 and seeks to retain the plan unamended.	Melbourne Water reviewed this SFMP in 2013. Melbourne Water has completed the 5 yearly review in 2020 and seeks to retain the plan unamended.

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
Permissible Consumptive Volume (PCV)	Total [1]	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684	1,684
No. of licences	Total	92	92	92	92	92	92	92	91	91
	All Year	1	1	1	1	1	1	1	1	1
	Winter-fill	16	16	16	16	16	16	16	16	16
	Farm Dam Registration	73	73	73	73	73	73	73	73	73
	Farm Dam Licence	2	2	2	2	2	2	2	1	1
Total allocated volume (ML)	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
	All Year [2]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	Winter-fill	621.0	621.0	621.0	621.0	621.0	621.0	621.0	636.0	636.0
	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
	Farm Dam Licence	47.0	47.0	47.0	47.0	47.0	47.0	47.0	32.0	32.0
No. of metered licences	Total	15	15	15	15	16	17	17	14	14
Total metered volume (ML)	Total	626	626	626	626	626	626	626	626	626
Total metered use	Total	204.7	188.78	177.11	229.64	229.64	104.2	264.7	152.82	134.42
Metered use as % of metered allocation	Total	32.70%	30.20%	28.30%	36.68%	36.68%	16.65%	42.28%	24.41%	21.47%
Metered use as % of PCV	Total	12.20%	11.20%	10.50%	13.64%	13.64%	6.19%	15.72%	9.07%	7.98%
No. of licences with use greater than allocation	Total	0	0	0	0	0	0	0	0	1
Allocation surrendered within the WSPA (ML)	Total	n/a	0	0	0	0	0	0	0	0
New allocation issued within the WSPA (ML)	Total	n/a	0	0	0	0	0	0	0	0
Permanent transfers within of WSPA (ML)	Total	n/a	0	6	27.5	63	23	57	15	0
Temporary transfers within of WSPA (ML)	Total	n/a	0	0	0	0	0	0	0	0
Permanent transfers out of WSPA (ML)	Total	n/a	0	0	0	0	0	0	0	0
Temporary transfers out of WSPA (ML)	Total	n/a	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
No. of days on ban	Steels	262	327	348	255	351[2]	358	274	309	290
	Dixons	343	343	354	308	347[2]	358	281	302	240
	Pauls	350	357	361	324	360	365	292	315	263
No. of days on restriction	Total	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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

Note 1: SFMP sets the WSPA allocation limit at 1684 ML (988ML All-Year and 696 Winter-Fill) plus any existing farm dams still to be licenced or registered after the commencement of the plan.

Note 2: Temporary Access for Dixon Creek and Steels Creek Winterfill Licences - December 2017

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 : <http://info/inflo/cs.exe/open/42365033>

2. Post Implementation Review

A summary of the flow event and an hourly flow for Dixons creek and Steels Creek can be found here : <http://info/inflo/cs.exe/open/41278979>

Dixons Creek customers had around 8 days additional pumping whilst our Steels Creek customers had around 7 days additional pumping.

Steels Creek

Total Usage through meters 45 ML
Total flow 976 ML
Percentage of total flow 5%

Dixons Creek

Total Usage through meters 2.7 ML
Total flow 703 ML
Percentage of total flow 0.4%

Therefore Diversion Team concluded that there was minimal impact on the environment due to excessive flow conditions in these two catchments.

Table 11. Stringybark Creek SFMP Annual Report Checklist

		Reporting Period		2020-21	2021-22
Prescription No.	Prescription	Compliance	Supporting Data	Comments	Comments
1.	PROHIBITIONS ON GRANTING NEW LICENCES 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	Allocation granted in 2021-22.	Allocation cap is now below current licences due to 87ML winterfill licence being traded out to the Yarra River (Upper) - see note below. No new licences issued and trading confined to within catchment.	Current licenced 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.	LICENCE CONDITIONS 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		
3	TRANSFERRING LICENCES 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	Licence transfers in 2021-22	5 Land transfers (29, 190, 45 & 7 ML), 1 Permanent ds trade 28ML to D'Angelo. 4 Temp trades (20, 5, 10, 10 ML) - 45ML	1 Land transfers (25 ML), 1 Permanent ds trade 5ML to D'Angelo from Prmelife (BEE019879 Surrendered). 1 Temp trades (30 ML) - this was refused. Went to VCAT for 2020/21 but was withdrawn by Applicant 3 Temp Trades (10, 10, 4 & 4). Total 28 ML
4	ROSTERS AND RESTRICTIONS 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 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	Days on bans and restrictions	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.	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	NEW DAMS, AESTHETIC DAMS AND DAMS ON SUBDIVISIONS 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	Yarra Ranges Shire Council are responsible for subdivisions. As a result of 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.	Yarra Ranges Shire Council are responsible for subdivisions. As a result of 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. One new 40ML irrigation dam built for BEE077546 (Temporary trade in catchment)
6	MONITORING 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 DSE's 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: (a) approve a plan proposed under prescription 6.6; (b) approve that plan, subject to amendments made by the Minister; or (c) refuse to approve the plan. 6.8 Melbourne Water must implement a plan in the form approved by the Minister under prescription 6.7.	Yes	Number of metered licences	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 (229247B).	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 (229247B).
7	REDRESSING HISTORICAL OVERUSE 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			
8	REVIEW OF PLAN 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		Melbourne Water reviewed this Stringybark Creek SFMP in 2013. It has commenced the current review in 2018.	Melbourne Water reviewed this Stringybark Creek SFMP in 2013. It has commenced the current review in 2018.

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
Permissible Consumptive Volume (PCV)	Total	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
	All Year	33	31	29	29	29	31	29	28	28
	Winter-fill	22	22	23	23	23	19	21	22	22
	Farm Dam Registration	69	69	69	69	69	69	68	68	68
	Farm Dam Licence	6	7	7	7	7	7	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
	All Year	223.0	208.0	205.0	205.0	205.0	223.0	205.0	200.0	200.0
	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
	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
	Farm Dam Licence	138.0	153.0	153.0	153.0	153.0	153.0	163.0	163.0	153.0
No. of metered licences	Total	39	39	38	38	55	50	52	35	35
Total metered volume (ML)	Total	1,357	1370	1330	1358	1387	1277	1313	1263	1324
Actual metered use (ML)²	Total	487.7	533.6	634.4	610.91	573.4	511.8	610.85	257.29	325.29
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%
Metered use as % of PCV	Total	18.3%	20.0%	23.8%	22.9%	21.5%	19.2%	22.9%	9.7%	12.2%
No. of licences with use greater than allocation	Total	2	0	0	1	3	5	6	5	2
Allocation surrendered within the WSPA (ML)	Total [3]	n/a	9	0	2	2	87	0	0	0
New allocation issued within the WSPA (ML)	Total	n/a	0	0	0	0	0	10	0	0
Permanent transfers within WSPA (ML)	Total [4]	85	21	82	21	4	117	299	195	0
Temporary transfers within WSPA (ML)	Total [5]	25	25	38	35	28	25	45	28	46
Permanent transfers out of WSPA (ML)	Total	0	0	0	0	0	87	0	0	0
Temporary transfers out of WSPA (ML)	Total	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
Number of days on ban	Upper	86	120	158	106	76	191	79	29	49
	Lower	111	7	230	186	237	249	42	0	0
Number of days on restriction	Total	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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.

Note 2: No estimations of use are made for unmetered licences

Note 3: This is a timing issue only with formal administrative processing of the licence. 9ML volume was reduced in 2013/14 reporting, reflecting the changed status of the licence (outstanding debtor notified of pending licence cancellation) but ahead of formal cancellation in the Victorian Water Register.

Note 4: Only transfers that occurred in the catchment were related to sale of land and transfer to the new owner.

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 catchment from the commencement of the plan period. Previous note from past years still applies to this anomaly around allocation.

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

Table 13. Woori Yallock Creek SFMP Annual Report Checklist

Reporting Period

2020-21

2021-22

Prescription No.	Prescription	Compliance	Supporting Data	Comments	Comments
6.1	ALLOCATION CAP a) The Allocation Cap in Woori Yallock Creek Water Supply Protection Area will be 8,828 ML. b) Melbourne Water may not issue licences above Allocation Cap except when this is a result of a renewal of an existing allocation within the catchment or any of the circumstances as prescribed in prescriptions 8.1(1) and 8.1(5) c) Melbourne Water will work from the current allocation level of 9,548.2 ML in the Protection Area towards an Allocation Cap of 8,828 ML through application of the prescriptions in this plan. d) On reaching the Allocation Cap, Melbourne Water must report in the next Annual Report that the Allocation Cap has been achieved.	Yes	Allocation granted in 2021-22 2021-22 Allocated volume	Allocation cap exceeded by historic licences. No new licences issued and trading confined to within catchment.	Allocation cap exceeded by historic licences. No new licences issued and trading confined to within catchment.
6.2	IMPLEMENTATION OF MINIMUM ENVIRONMENTAL FLOWS a) 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 stock and domestic use and registered farm dam licences. b) Melbourne Water must ensure that licensees comply with licence conditions referred to in Schedule 1.	Yes		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	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
6.3	LICENCE CONDITIONS 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	The WSPA licence conditions detailed in Schedule 1 have been applied to all take-and-use licences issued	The WSPA licence conditions detailed in Schedule 1 have been applied to all take-and-use licences issued
6.4	MAXIMUM DAILY VOLUME Melbourne Water must amend all licences within the Woori Yallock Creek catchment so that the Maximum Daily Volume is not greater than two per cent of the annual volume.	Yes	Victorian Water Register	The WSPA licence condition 6 detailed in Schedule 1 has been applied to all take-and-use licences issued, restricting the maximum daily volume to two per cent of the annual volume.	The WSPA licence condition 6 detailed in Schedule 1 has been applied to all take-and-use licences issued, restricting the maximum daily volume to two per cent of the annual volume.
6.5	ROSTERS, RESTRICTIONS AND BANS Melbourne Water must prepare and implement rosters or restrictions in accordance 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 rostered day (or lesser roster period).	Yes			
6.6	IMPLEMENTATION OF ROSTERS, RESTRICTIONS AND BANS Melbourne Water must amend their 'Drought Response Plan for Licensed Water Users' to incorporate the rosters, restrictions and ban requirements outlined in this Plan to include volume based restrictions as prescribed in Schedule 1. Unrostered licence holders will only be able to take water on rostered days as defined in 'Drought Response Plan for Licensed Water Users'.	Yes		The WSPA roster, restriction and ban licence conditions detailed in Schedule 1 have been applied to all take-and-use licences issued. The Drought Response Plan has been updated to reflect the requirements as prescribed in Schedule 1. Updated DRP issued to licence holders March 2016.	The WSPA roster, restriction and ban licence conditions detailed in Schedule 1 have been applied to all take-and-use licences issued. The Drought Response Plan has been updated to reflect the requirements as prescribed in Schedule 1. Updated DRP issued to licence holders March 2016.
	LICENCE TRANSFERS Note – Section 62 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 53.	Yes			
7.1	MATTERS THAT MUST BE TAKEN INTO ACCOUNT 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 when it is transferred or renewed, Melbourne Water must have regard to whether the location at which water is taken or collected will, or will not, change.	Yes	Licence transfers in 2021-22		
7.2	LICENCE TRANSFERS INTO THE WOORI YALLOCK CREEK WSPA a) Melbourne Water must not approve an application to transfer a licence into the Protection Area under section 62(3) 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(3) of the Act if, in its opinion, the approval of the application will cause the Allocation Cap referred to in prescription 6.1(a) to be exceeded.	Yes	Licence transfers in 2021-22	2 Permanent Trades - 2 Permanent Trades 13ML - 3 ML (Wandin Yallock Cherries) and 10ML to SG Chapman 22 Permanent Land Transfers - 306.0 ML 3 x Surrenders - 2ML (BEE020497), 6ML (BEE020301), 2ML (BEE020589) 8 x Temporary Trades for 199ML	7 Permanent Trades - 74 ML 6 Permanent Land Transfers - 45.0 ML 6 x Surrenders - 29 ML 8 x Temporary Trades for 325.2 ML
7.3	GENERAL CONDITIONS ASSOCIATED WITH LICENCE TRANSFERS If approving an application to permanently or temporarily transfer a licence to take and use water within the Protection Area, Melbourne Water must: a) Amend the conditions of that licence to ensure that water may only be taken or collected during the dam-filling period; or b) Require that the volume of the licence be reduced by 20 per cent; or c) 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	Licence transfers in 2021-22		
7.4	CESSATION OF THE 20 PER CENT REDUCTION OF LICENCE VOLUME ON TRANSFER 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 prescriptions 7.3(b), 7.3(c), 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	Licence transfers in 2021-22		
7.5	TRADING ZONES The Woori Yallock Creek WSPA will be divided up into seven trading zones based on the REALM sub-catchments. Transfer rules within the Woori Yallock Creek WSPA will be based on these trading zones. Licences issued 'below all gauges' will be managed as part of sub-catchment E.	Yes	Licence transfers in 2021-22		
7.6	DOWNSIDE TRANSFERS IRRESPECTIVE OF THE TRANSFER ZONE Subject to prescription 7.4(b), in approving an application to permanently or temporarily transfer a licence to take and use water downstream irrespective of transfer zone, 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	Licence transfers in 2021-22		All downstream trades reduced by 20%
7.7	UPSTREAM TRANSFERS WITHIN A TRADING ZONE Upstream transfers must be converted to the dam-filling period (Winter fill) and the volume of the licence be reduced by 20 per cent subject to prescription 7.4(a).	Yes	Licence transfers in 2021-22		2 Upstream Trades (20 + 20). Both reduced by 20% and made winterfill licences. The 20% balance was Surrendered and traded to EWR licence for the Woori Yallock ie 4ML + 4 ML
7.8	TRANSFERS BETWEEN TRADING ZONES Transfers between Woori Yallock 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 (Winter fill) and the volume of the licence reduced by 20 per cent subject to prescription 7.4(a).	Yes	Licence transfers in 2021-22		
7.9	TRANSFERS OUT OF THE WOORI YALLOCK CREEK WSPA Transfers of licence volumes downstream and out of the Woori Yallock Creek WSPA will be subject to the licence conditions of the destination catchment.	Yes	Licence transfers in 2021-22	2 Temporary Trades to Yarra River (Upper) Golf club	2 Temporary Trades to Yarra River (Upper) Golf Club
8.1	PROHIBITIONS ON GRANTING NEW ALLOCATIONS Section 32A(3)(d) of the Act allows for a management plan to prescribe restriction or prohibitions on the issue of licences under Section 51 or 67. 1. Melbourne Water must not issue a licence under section 51(1)(a) or (ba) of the Act until 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 as a result of: a) a transfer of a licence under section 62 of the Act; b) the surrender of licences to be replaced by consolidated licences or divided licences or licences 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 by a water corporation or Minister – and the licence is issued for a volume not greater than the volume of the water as transferred, surrendered, or purchased in the above categories. 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 51(1)(a) or (ba) if this would cause the Allocation Cap referred to in prescriptions 6.1(a) to be exceeded. 3. Melbourne Water must not issue a licence under section 51(1)(a) or (ba) for the dam-filling period cap as described in prescription 8.1(4) to be exceeded. 4. For the purposes of this prescription, the dam-filling period cap is 4,029.5 ML plus the volume of any all year licences transferred to dam-filling licences where Melbourne Water considers that the beneficial effect on summer flows outweighs the risk of adverse effect on winter flows. 5. Despite the above, Melbourne Water may at any time issue a licence – a) within clause 8(b) of the Permissible Consumptive Volume Surface Water Order 2010 (as 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 purpose.	Yes	Allocation granted in 2021-22		
9.1	METER INSTALLATION 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) of the Act. The cost of new metering under this clause must be met by the applicant.	Yes	Number of metered licences		21 new Compliant AS4747 meters installed during 2020/21
9.2	METER MAINTENANCE PROGRAM Melbourne Water must: a) periodically inspect the condition of each flow meter installed under prescription 9.1; 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		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.	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.
9.3	METER READING PROGRAM Melbourne Water: must read each meter referred to in prescription 9.1 at least: once in every year in the case of all-year licences; and 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 must record, for each meter: the reading obtained; the number of the relevant licence; the date on which the meter is read; and may if a meter becomes defective, registers incorrectly or is removed for any reason, estimate the correct registration in any of the following ways: by comparison with the quantity of water taken under similar conditions during some other period; by comparison with the quantity of water taken after the meter has been restored to proper order; by comparison with the registration of a substitute meter used temporarily in place of the defective meter; or by applying a correction factor if the meter is found to have a consistent error in registration.	Yes	Divisions Database		Meters are read and photographed as required. Note for winterfill meters, these are read at the start and end of the licensing period
10.1	FLOW MONITORING PROGRAM Section 32a(3)(a) of the Act allows management plans to prescribe requirements for metering and monitoring. Melbourne Water must: a) continuously record flows at the Seville East (on Wandin Yallock Creek 229681), Yellingbo (on Woori Yallock Creek 229679), Nangana (on Shepherds Creek 229677 and Cockatoo Creek 229248) and Yellingbo (on McCrae Creek 229678); 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		Melbourne Water monitors flows continuously at: • Wandin Yallock Creek at Seville East gauging station (229681); and • Woori Yallock Creek at Yellingbo gauging station (229679) • Shepherds Creek at Nangana gauging station (229677A) • Cockatoo Creek at Nangana gauging station (229248A) • McCrae Creek at Yellingbo gauging station (229678A)	Melbourne Water monitors flows continuously at: • Wandin Yallock Creek at Seville East gauging station (229681); and • Woori Yallock Creek at Yellingbo gauging station (229679) • Shepherds Creek at Nangana gauging station (229677A) • Cockatoo Creek at Nangana gauging station (229248A) • McCrae Creek at Yellingbo gauging station (229678A)
10.2	PLAN IMPLEMENTATION MONITORING PROGRAM 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		The Minister approved the Stream Flow Monitoring Plan for Melbourne Water's eight SFMP catchments in 2013. The monitoring plan is implemented annually.	The Minister approved the Stream Flow Monitoring Plan for Melbourne Water's eight SFMP catchments in 2013. The monitoring plan is implemented annually.
10.3	MINISTERIAL APPROVAL OF MONITORING PROGRAM 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			
10.4	IMPLEMENTATION OF MONITORING PLAN Melbourne Water must implement a monitoring plan in the form approved by the Minister under prescription 10.2	Yes			
11.1	CONSTRUCTION OF NEW ON-STREAM DAMS Melbourne Water must not issue any licence under section 67 of the Act to construct a new dam on a waterway.	Yes	Number of new dam on waterway licences		
11.3	RESTRICTIONS ON THE OPERATION OF AESTHETIC DAMS 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 8.1: Prohibitions on granting new allocations.	Yes		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.	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.
11.4	DAMS ON SUB-DIVISIONS 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 Reasonable Domestic and Stock Guidelines for Rural and Residential Properties contained in the Ministerial Policies for Registering Private Dams in Rural Residential Areas.	Yes		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.	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.
12.1	COMPLIANCE AND REPORTING 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 Port Phillip and Westernport Catchment Management Authority by 30 September in each year; and make a copy available for public inspection on its website.	Yes			
12.2	REVIEW OF THE PLAN Melbourne Water must review the implementation and objectives of this Plan five years after it commences; and thereafter, at intervals of no more than five years. Any consequential amendment will be proposed to the Minister.	Yes		Melbourne Water has completed a review in 2019 and recommitted to the current plan unamended.	Melbourne Water has completed a review in 2019 and recommitted to the current plan unamended.

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
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
	Winter-fill	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	Total	714	705	700	696	681	681	678	677	684
	All Year	441	431	428	412	407	407	404	402	409
	Winter-fill	115	116	115	116	115	115	115	116	117
	Farm Dam Registration	140	140	140	141	141	141	141	141	141
	Farm Dam Licence	18	18	17	17	18	18	18	18	17
Total allocated volume (ML)	Total	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
	All Year	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
	Winter-fill	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
	Farm Dam Registration	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
	Farm Dam Licence	392.5	392.5	377.5	377.5	394.5	394.5	394.5	394.5	389.5
No. of metered licences	Total	357	359	341	336	329	362	358	330	330
Total metered volume (ML)	Total	6721.00	6797.20	6541.40	6341.47	6194.20	6165.10	5793.10	6202.73	6277.93
Total metered use (ML)	Total	2328.5	2252.8	2506.25	1863.1	2278.7	2166.8	1112.5	1286.1	1634.38
Metered use as % of metered allocation	Total	34.6%	33.1%	38.3%	29.4%	36.8%	35.1%	19.2%	20.7%	26.0%
Metered use as % of PCV	Total	26.4%	25.5%	28.4%	14.5%	17.7%	16.9%	8.7%	10.0%	12.7%
No. of licences with use greater than allocation	Total	10	10	9	4	13	23	9	9	13
Allocation surrendered within the WSPA (ML)	Total	n/a	26	22	45	42	22	10	29	29
New allocation issued within the WSPA (ML)	Total	n/a	n/a	0	0	0	0	0	0	0
Permanent transfers within WSPA (ML)	Total	407	270.4	291	576	223.2	411	319	119.0	49.0
Temporary transfers within WSPA (ML)	Total	74	166	259	200	248.0	394.0	199.0	325.0	202.0
Permanent transfers out of WSPA (ML)	Total	0	87	42	50	14.0	7.0	0.0	22.0	10.0
Temporary transfers out of WSPA (ML)	Total	n/a	50	20	75	149.0	0.0	149.0	149.0	75.0
Number of new dam on waterway licences issued	Total	n/a	n/a	0	0	0	0	0	0	0
Number of days on ban	Remaining catchment	7	2	88	n/a	n/a	n/a	n/a	n/a	n/a
	Cockatoo/ Shepherds	n/a	n/a	n/a	44	83	194	5	0	0
	McCrae Creek	7	2	88	12	176	264	45	1	0
	Wandin Yallock	18	15	104	1	99	115	20	0	11
	Woori Yallock Mainstem	n/a	n/a	n/a	0	58	189	12	0	0
Number of days on rosters	Remaining catchment	39	90	106	n/a	n/a	n/a	n/a	n/a	n/a
	Cockatoo/ Shepherds	n/a	n/a	n/a	111	115	76	69	30	44
	McCrae Creek	n/a	n/a	n/a	131	107	82	147	49	37
	Wandin Yallock	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0
	Woori Yallock Mainstem	n/a	n/a	n/a	37	109	65	17	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.

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

