



Goulburn Constraints Business Case Hydrology Analysis

Goulburn Broken Catchment Management Authority

Flood Event Characterisation

Final 1

6 October 2015



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Document history and status

Revision	Date	Description	By	Review	Approved
Draft A	29/06/2015	Draft A of Flood Characterisation Report	T.Sheedy	K.Austin	K.Austin
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Appendix A. Event Plots

Important note about your report

The sole purpose of this report and the associated services performed by Jacobs is to review and collate historical stream gauging data for the Goulburn River and its tributaries to characterise the hydrological properties of flow events in accordance with the scope of services set out in the contract between Jacobs and the Client. That scope of services, as described in this report, was developed with the Client.

In preparing this report, Jacobs has relied upon, and presumed accurate, any information (or confirmation of the absence thereof) provided by the Client and/or from other sources. Except as otherwise stated in the report, Jacobs has not attempted to verify the accuracy or completeness of any such information. If the information is subsequently determined to be false, inaccurate or incomplete then it is possible that our observations and conclusions as expressed in this report may change.

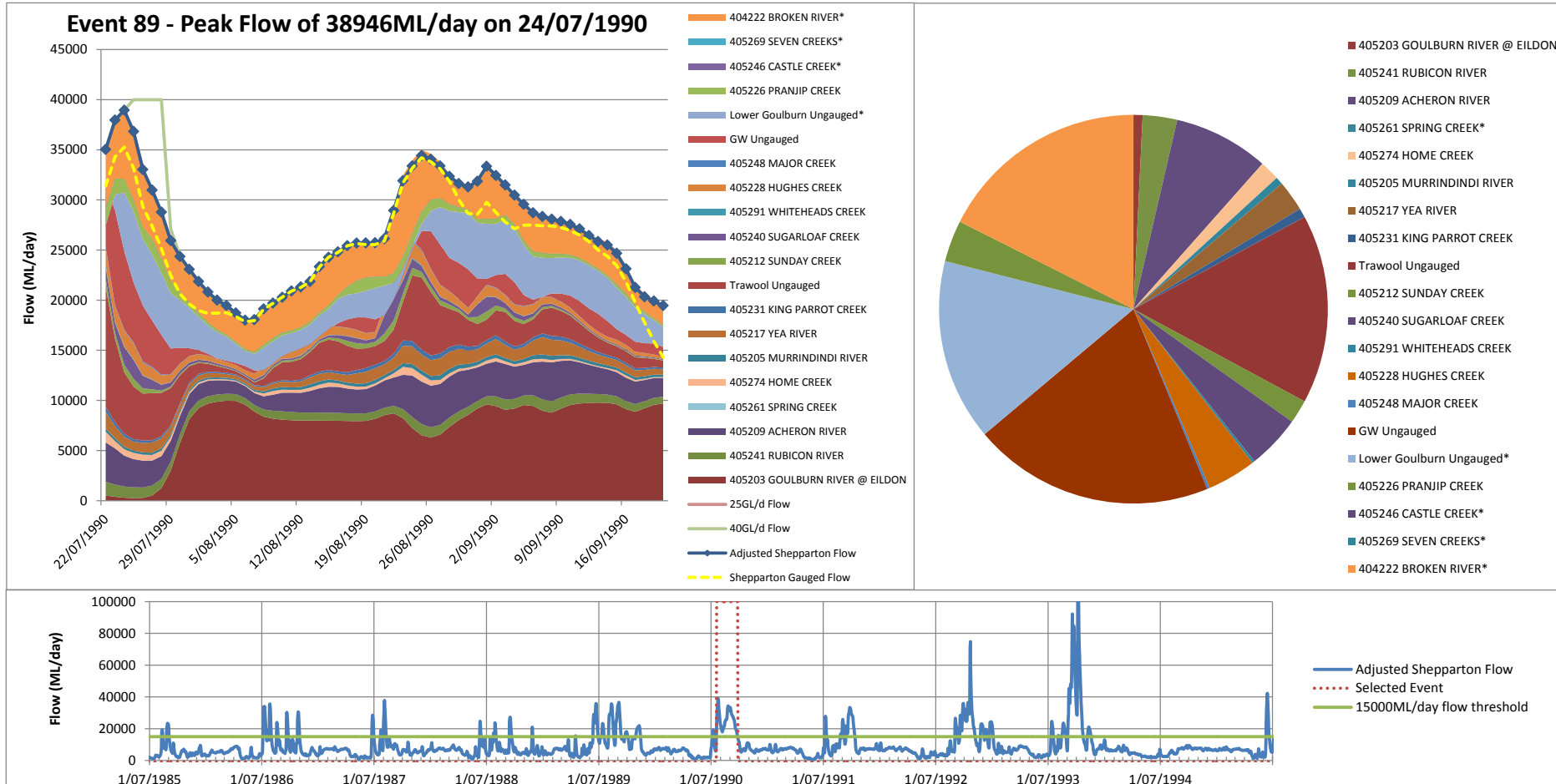
Jacobs derived the data in this report from information sourced from the Client (if any) and/or available in the public domain at the time or times outlined in this report. The passage of time, manifestation of latent conditions or impacts of future events may require further examination of the project and subsequent data analysis, and re-evaluation of the data, findings, observations and conclusions expressed in this report. Jacobs has prepared this report in accordance with the usual care and thoroughness of the consulting profession, for the sole purpose described above and by reference to applicable standards, guidelines, procedures and practices at the date of issue of this report. For the reasons outlined above, however, no other warranty or guarantee, whether expressed or implied, is made as to the data, observations and findings expressed in this report, to the extent permitted by law.

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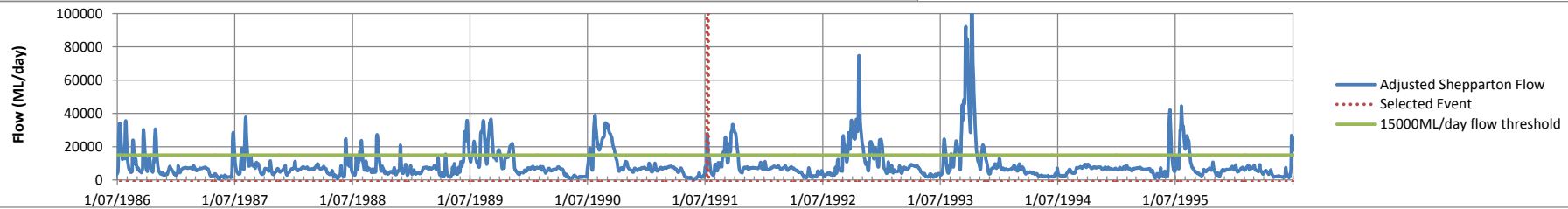
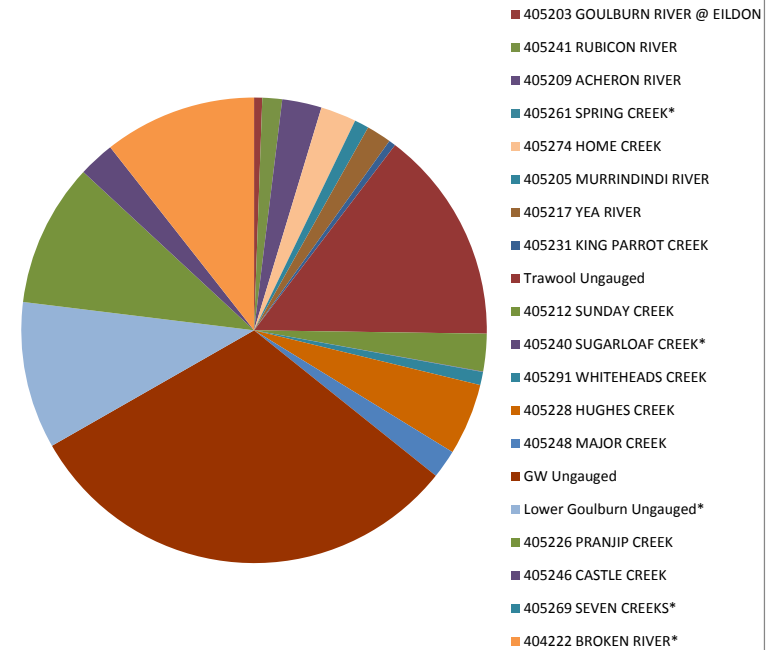
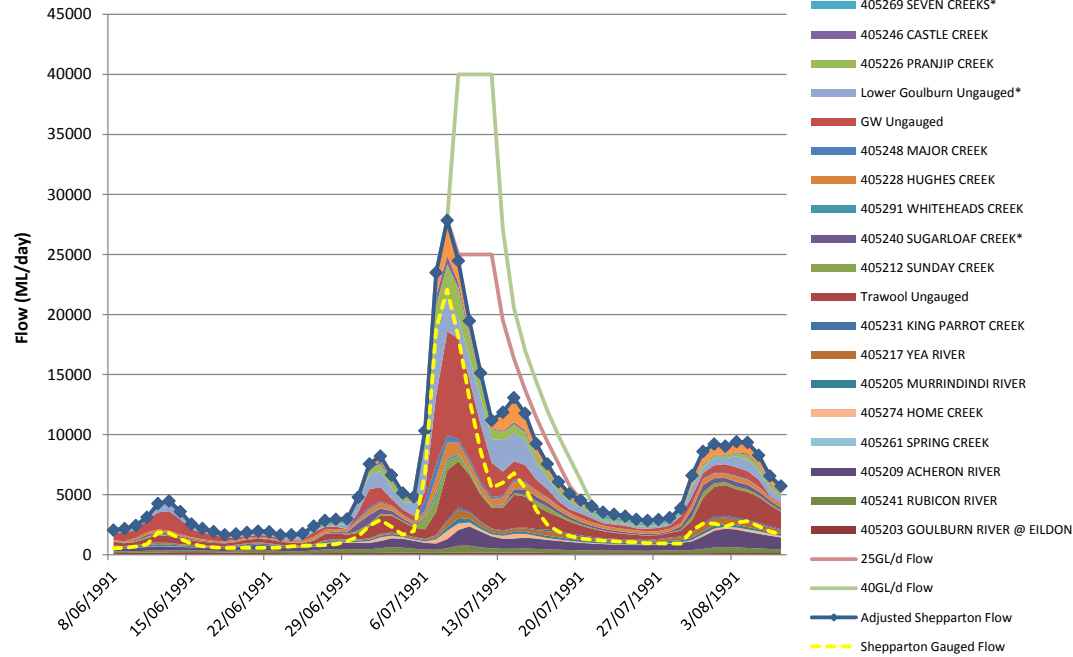
This study is a purely desktop assessment of existing information, relevant to the characterisation of flow events in the Goulburn River and its tributaries.

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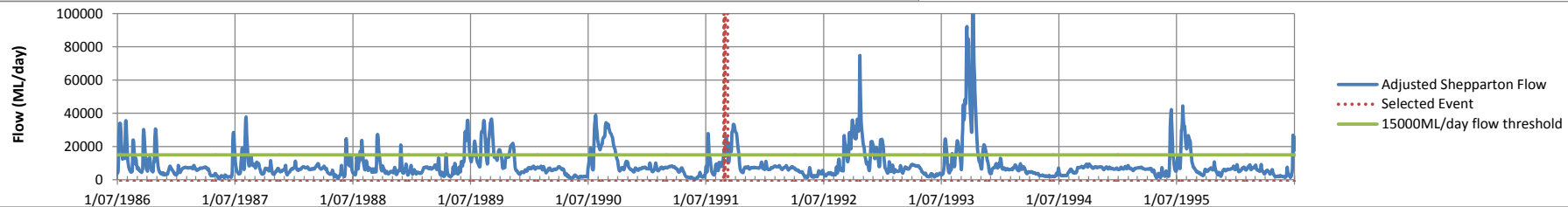
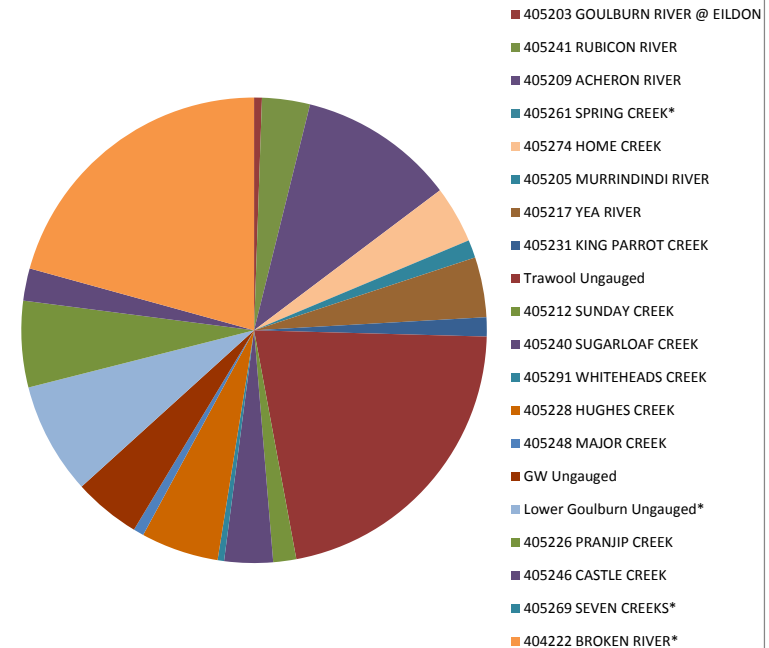
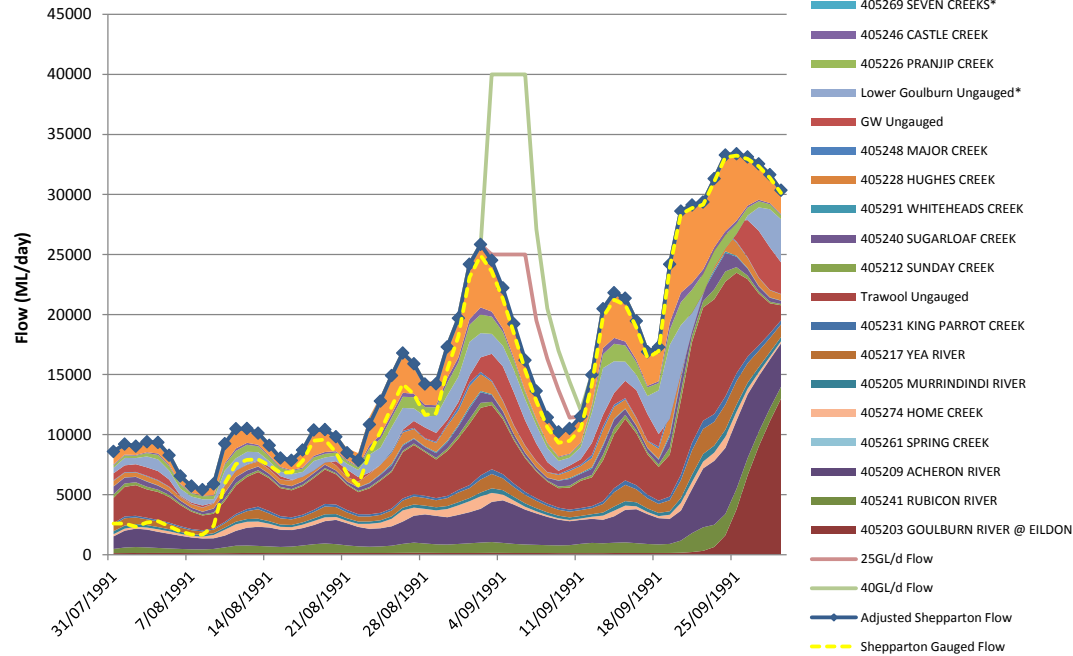
Appendix A. Event Plots



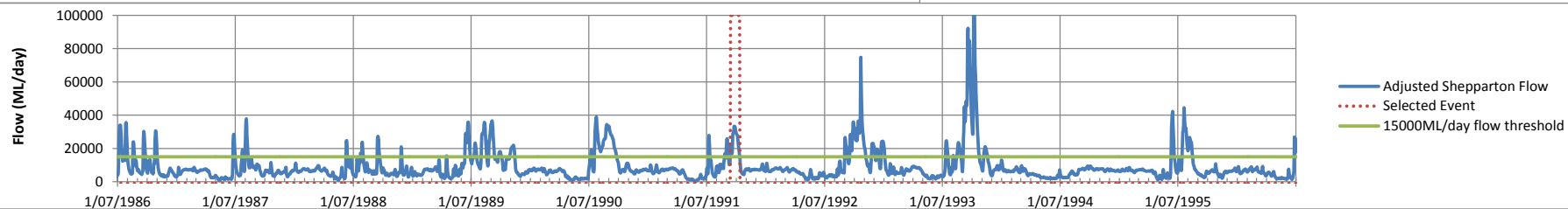
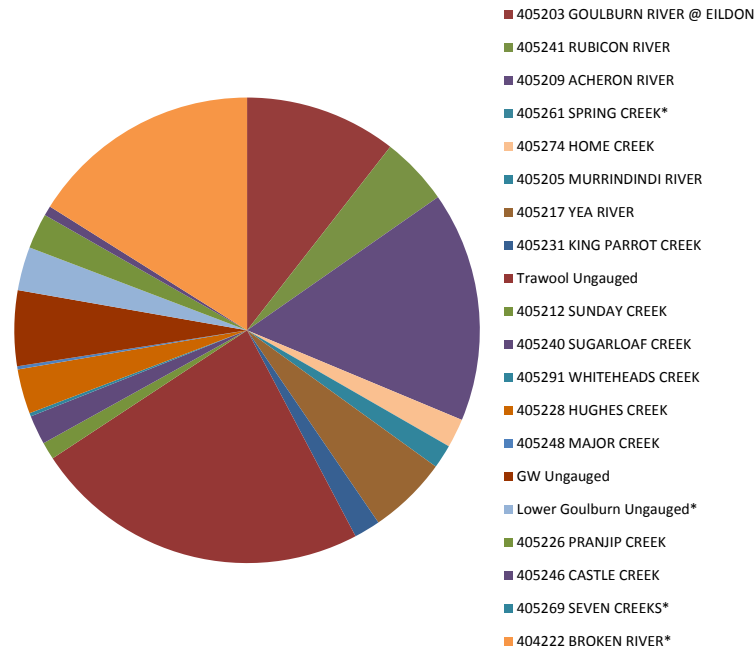
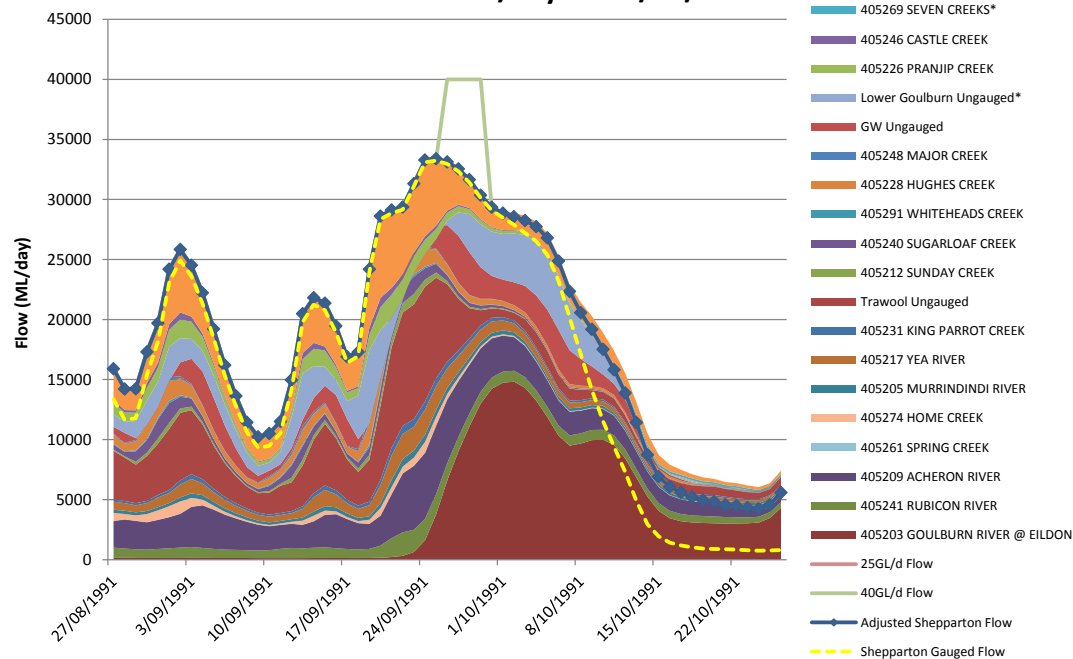
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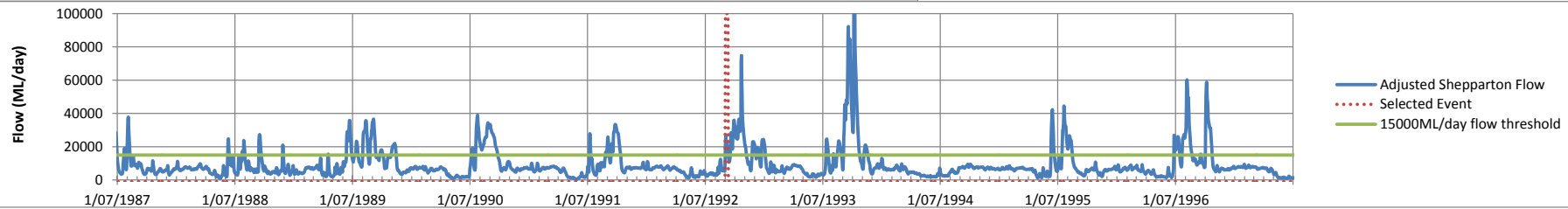
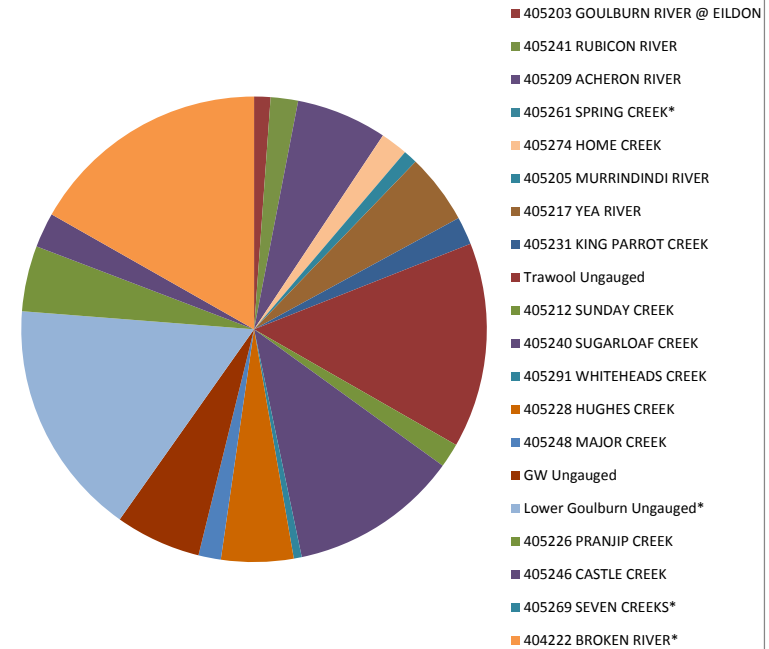
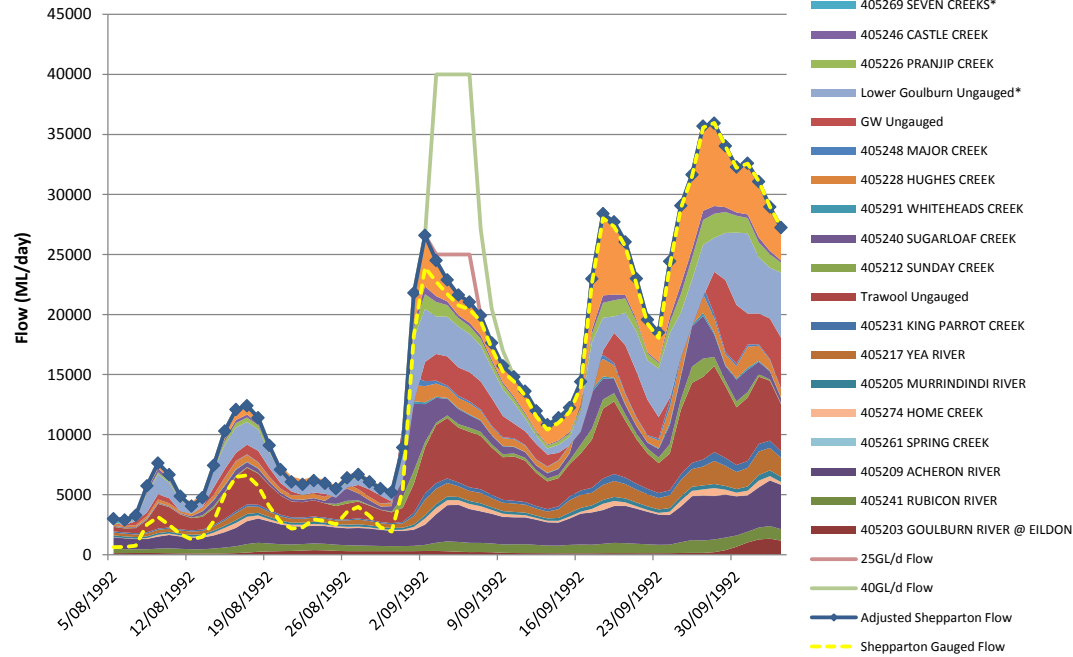
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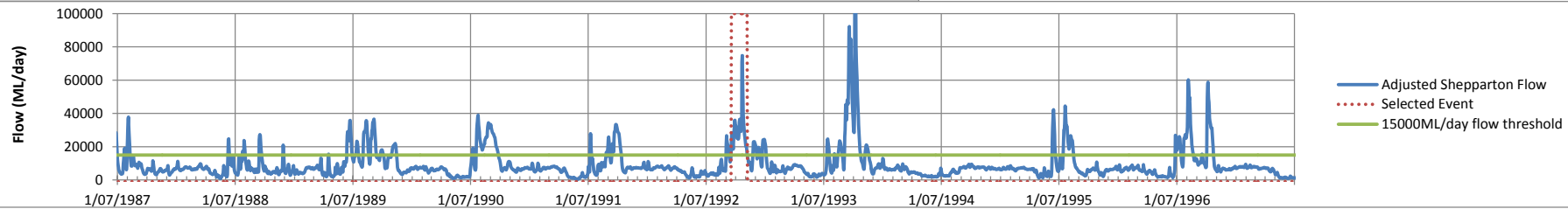
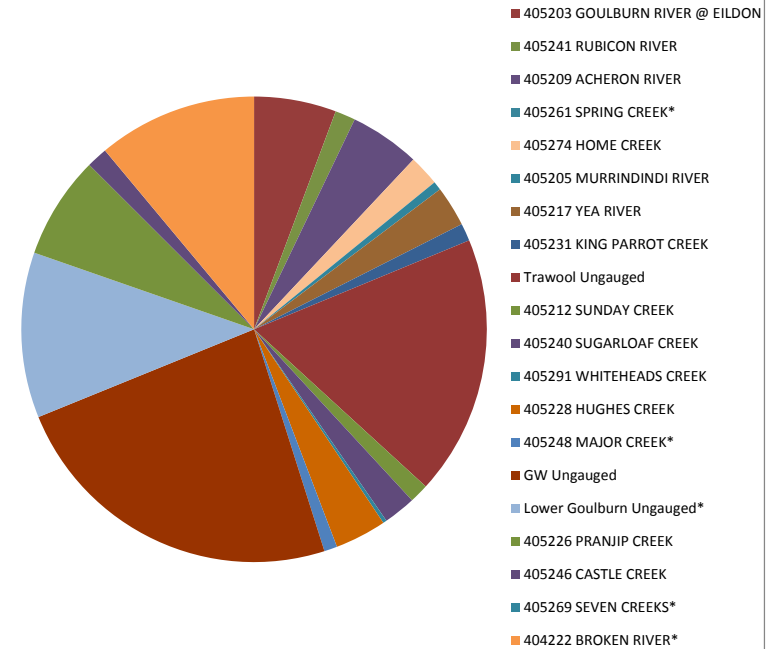
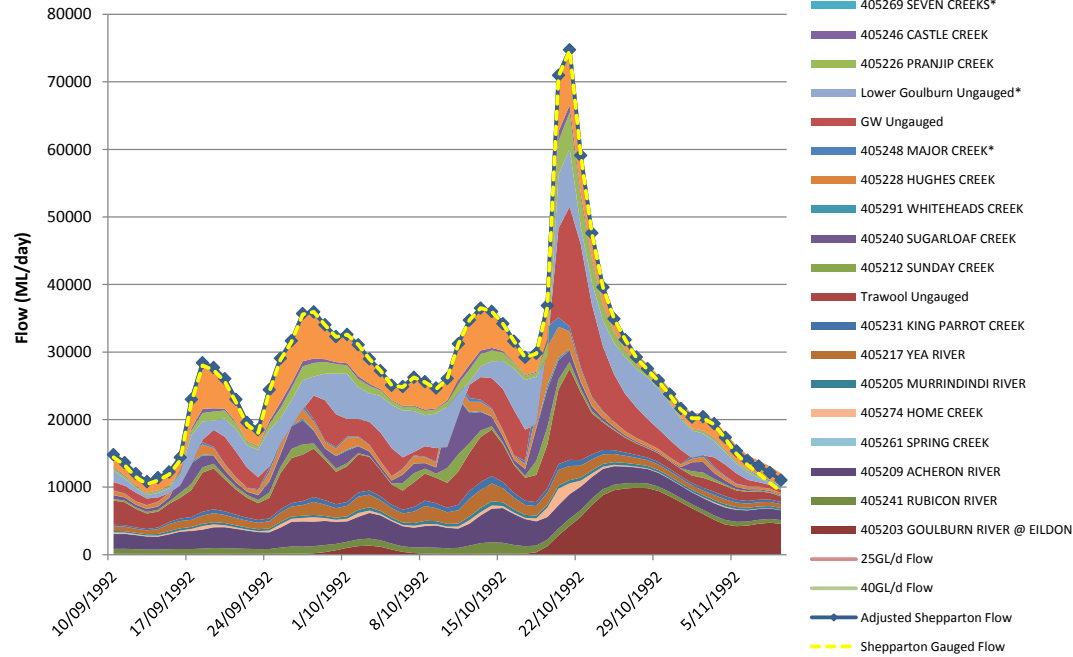
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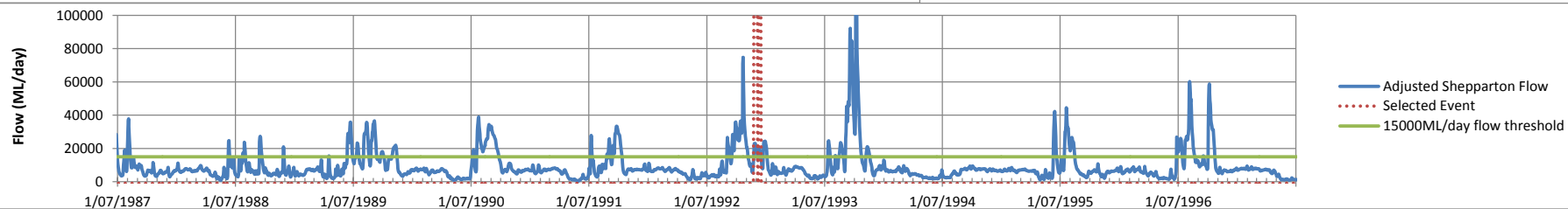
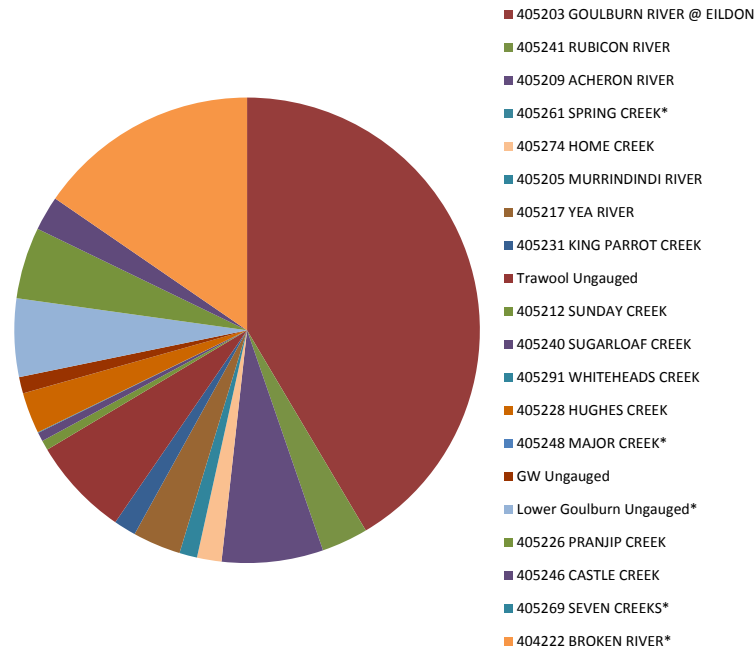
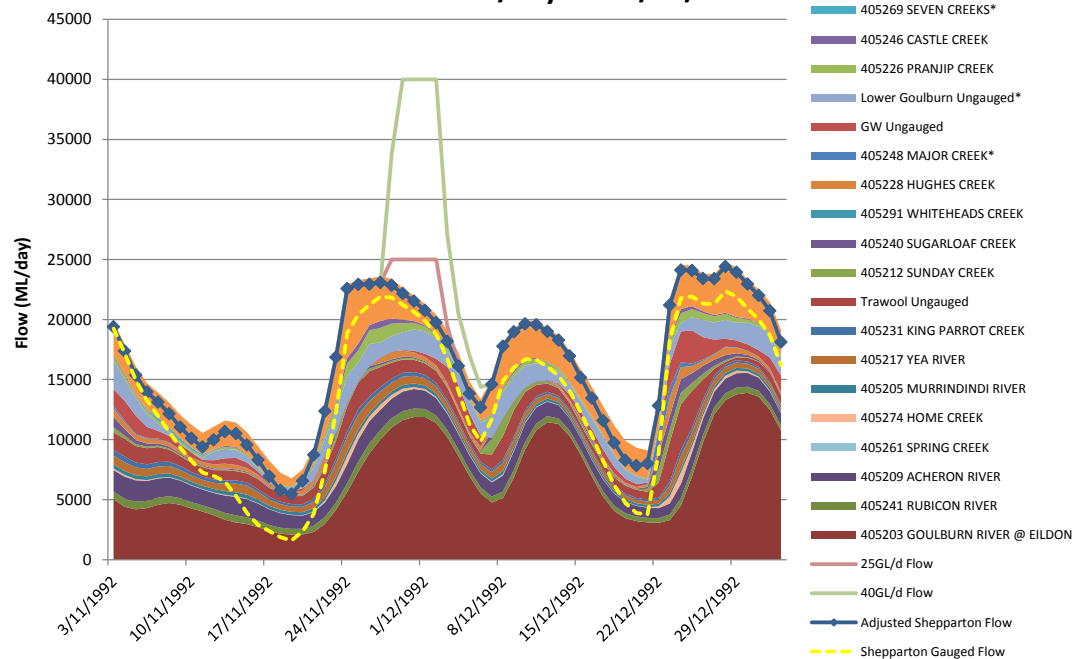
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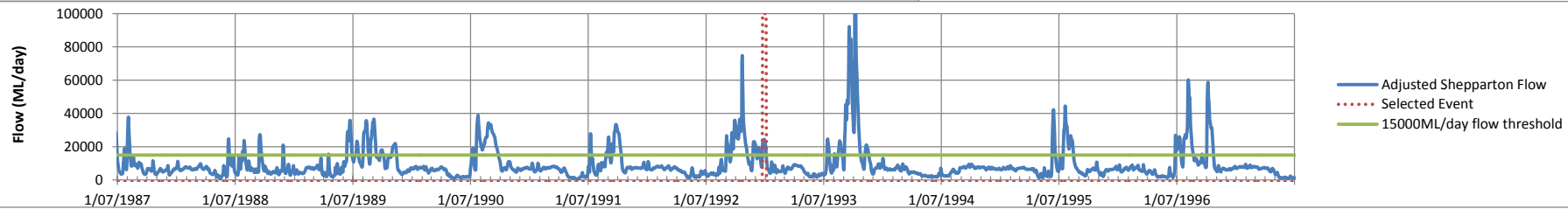
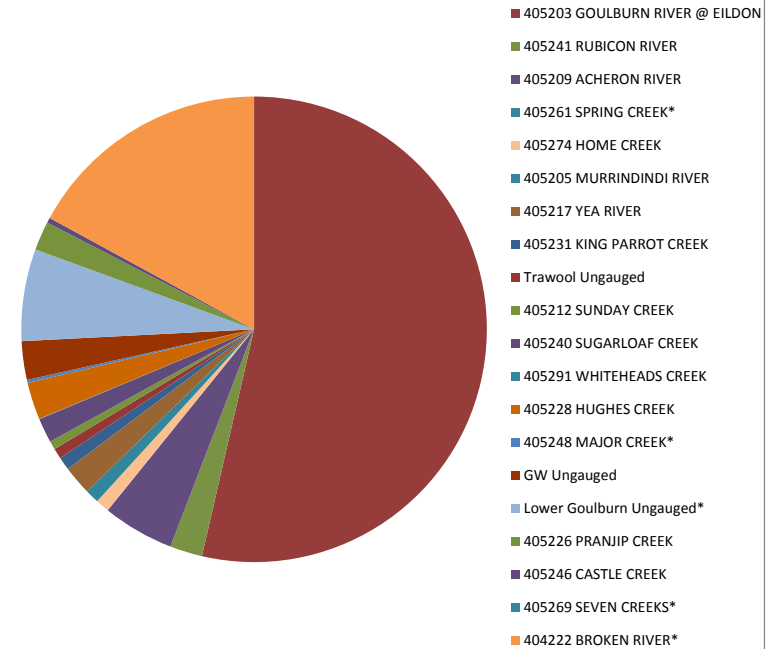
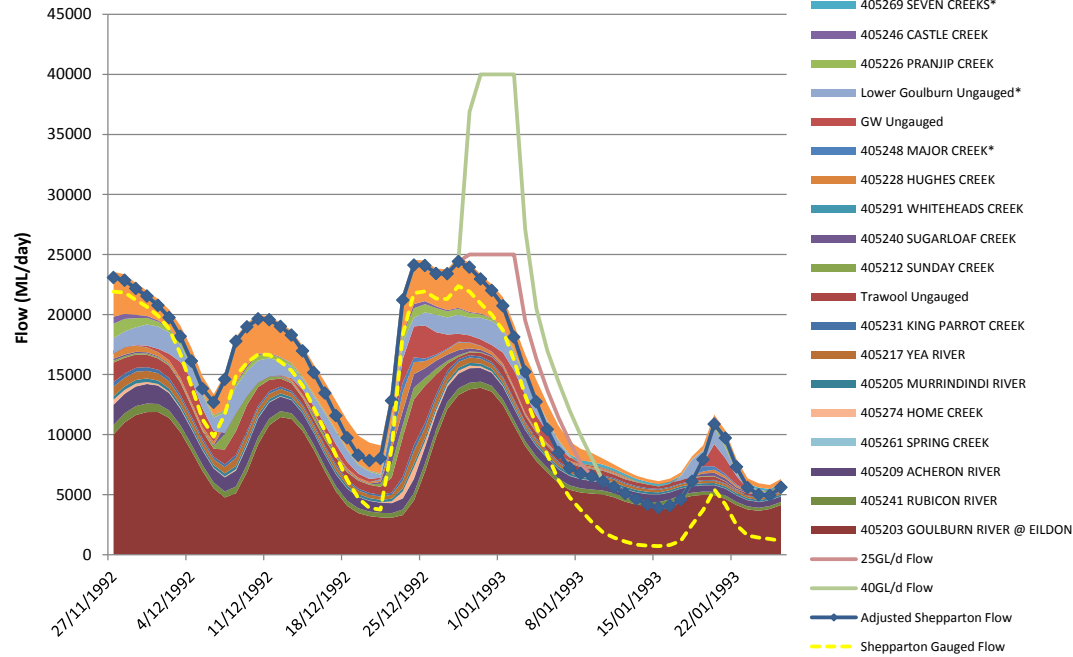
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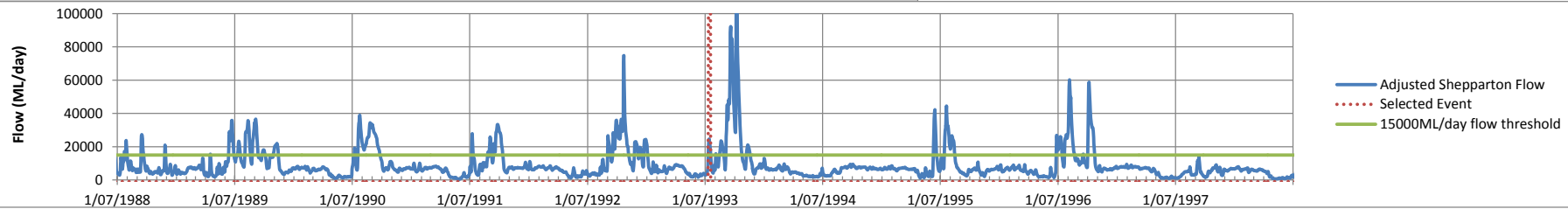
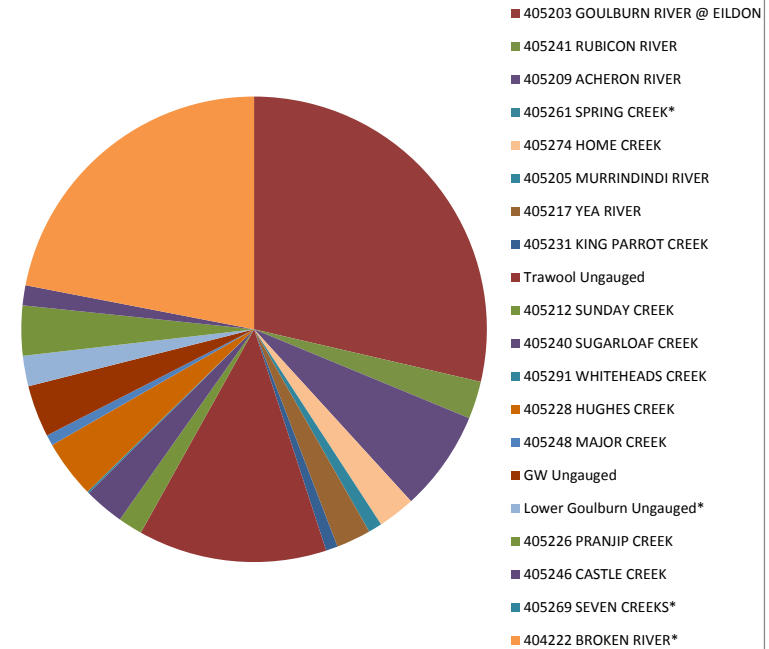
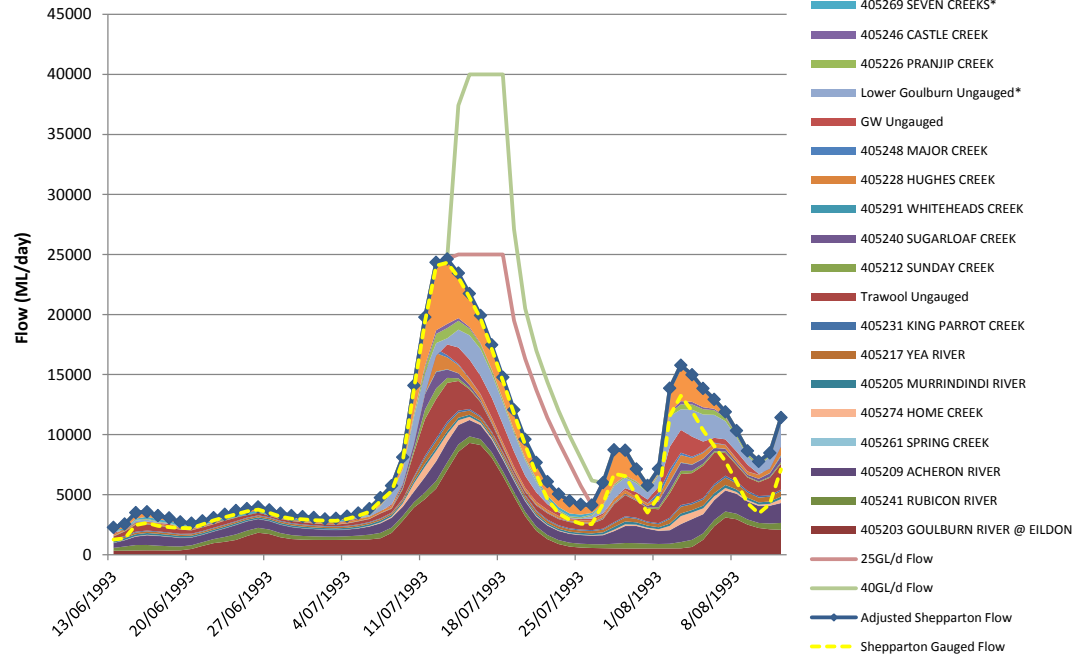
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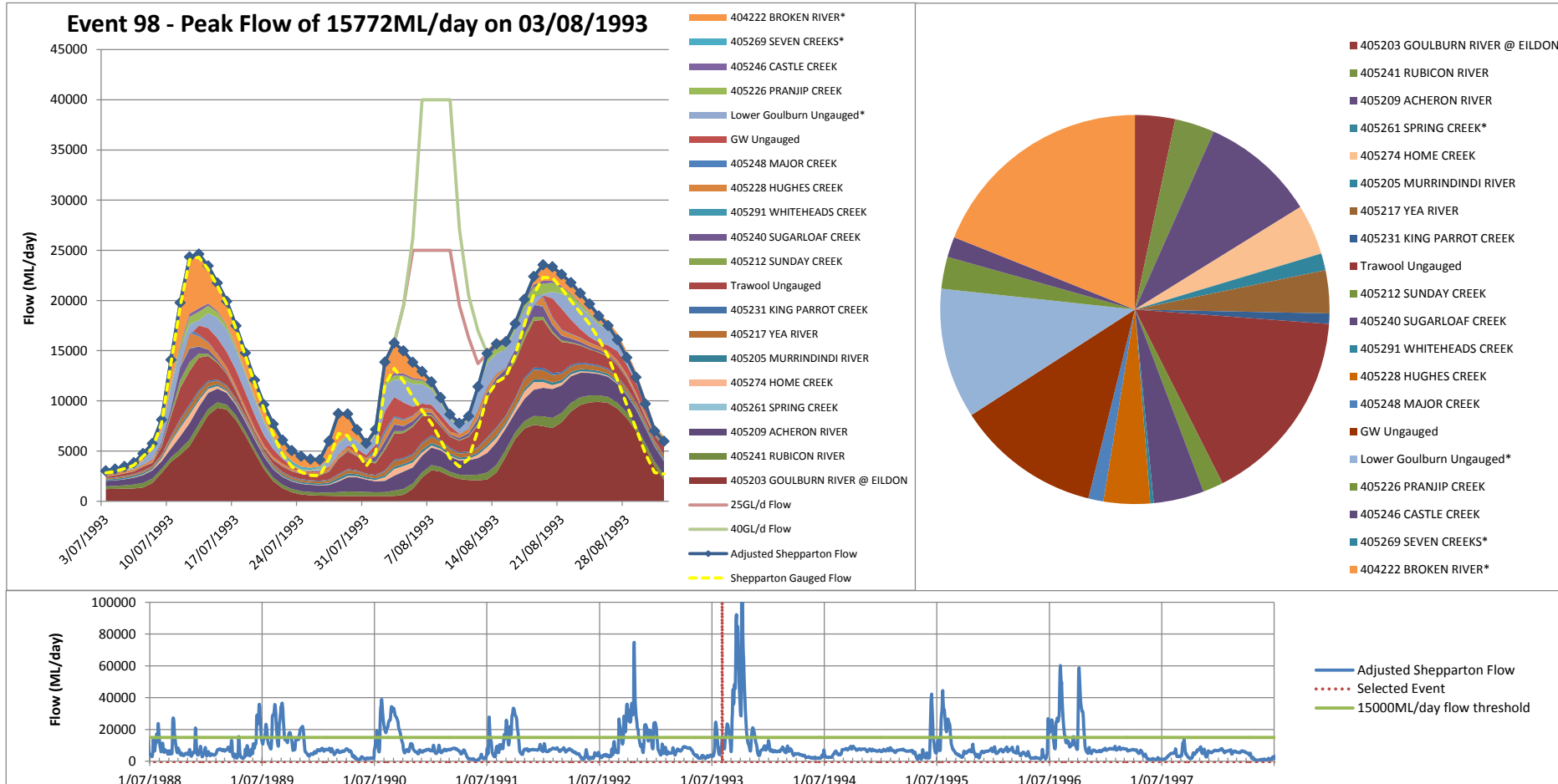


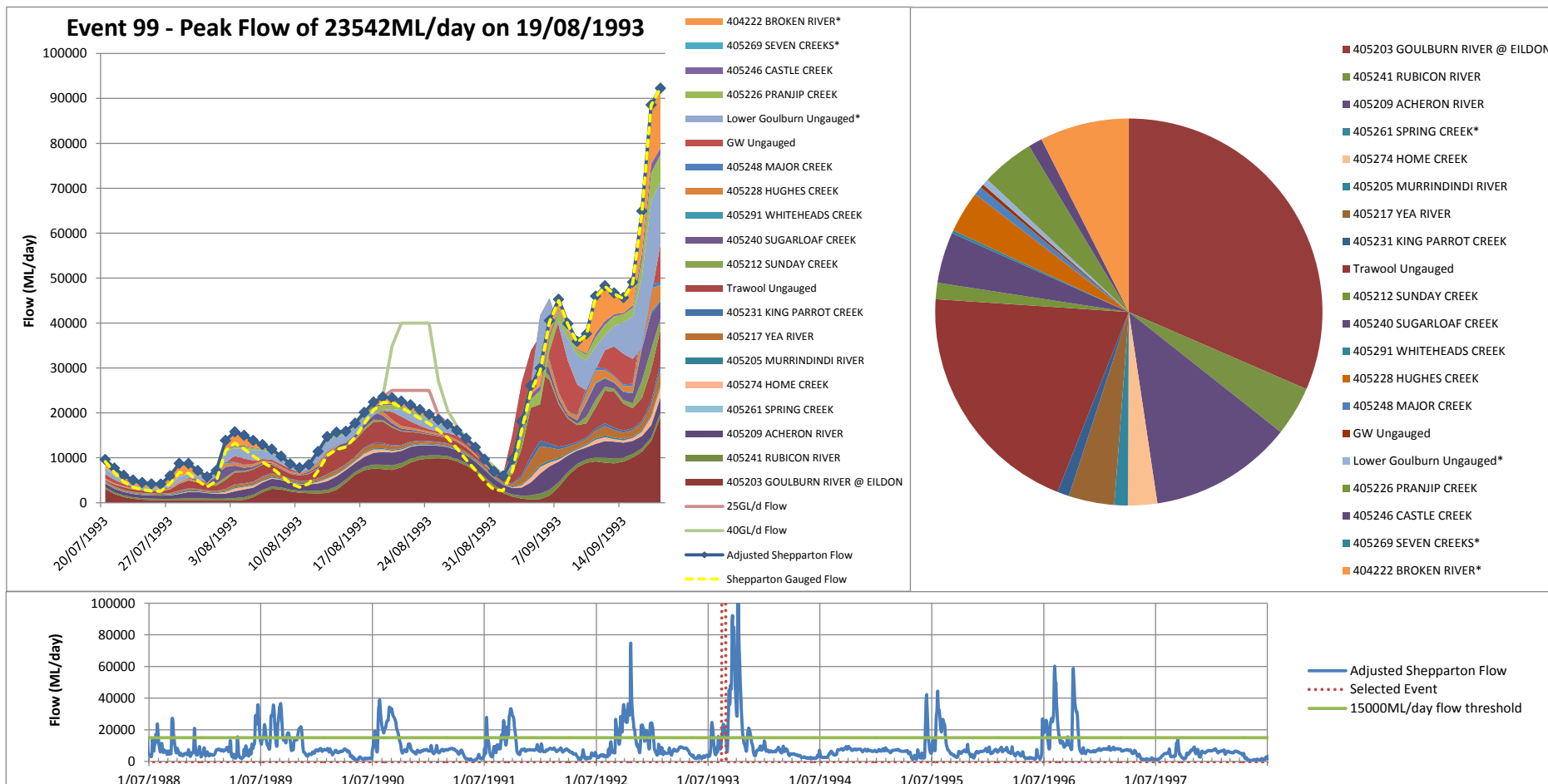
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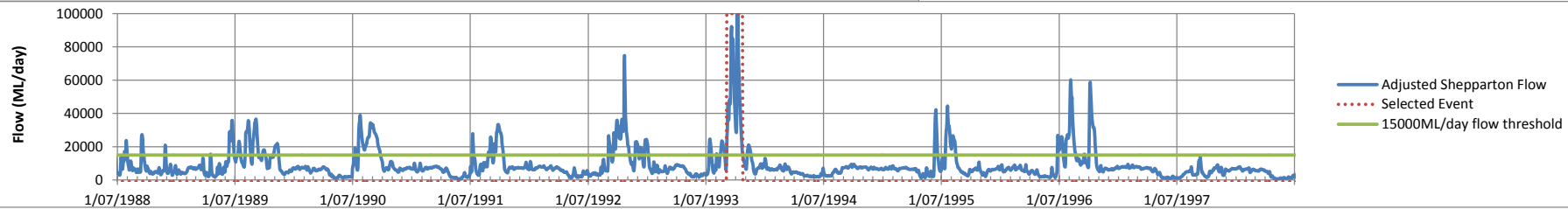
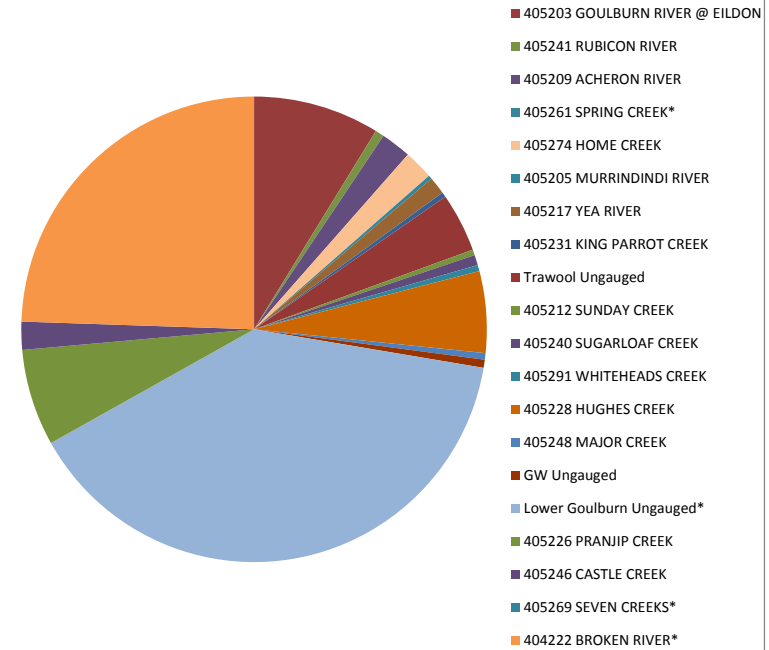
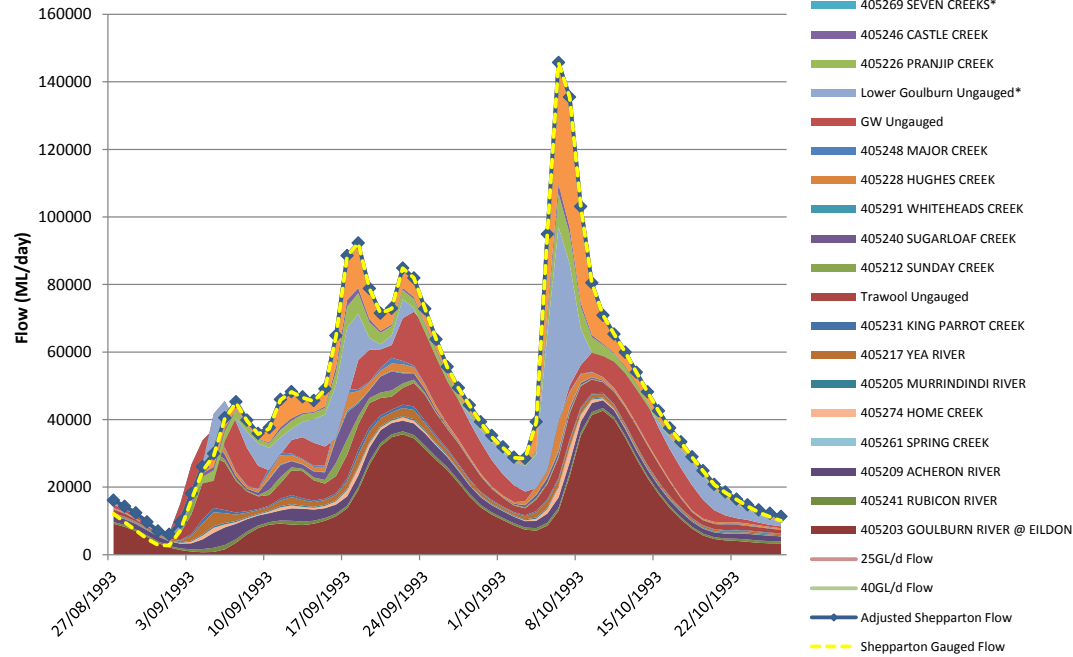
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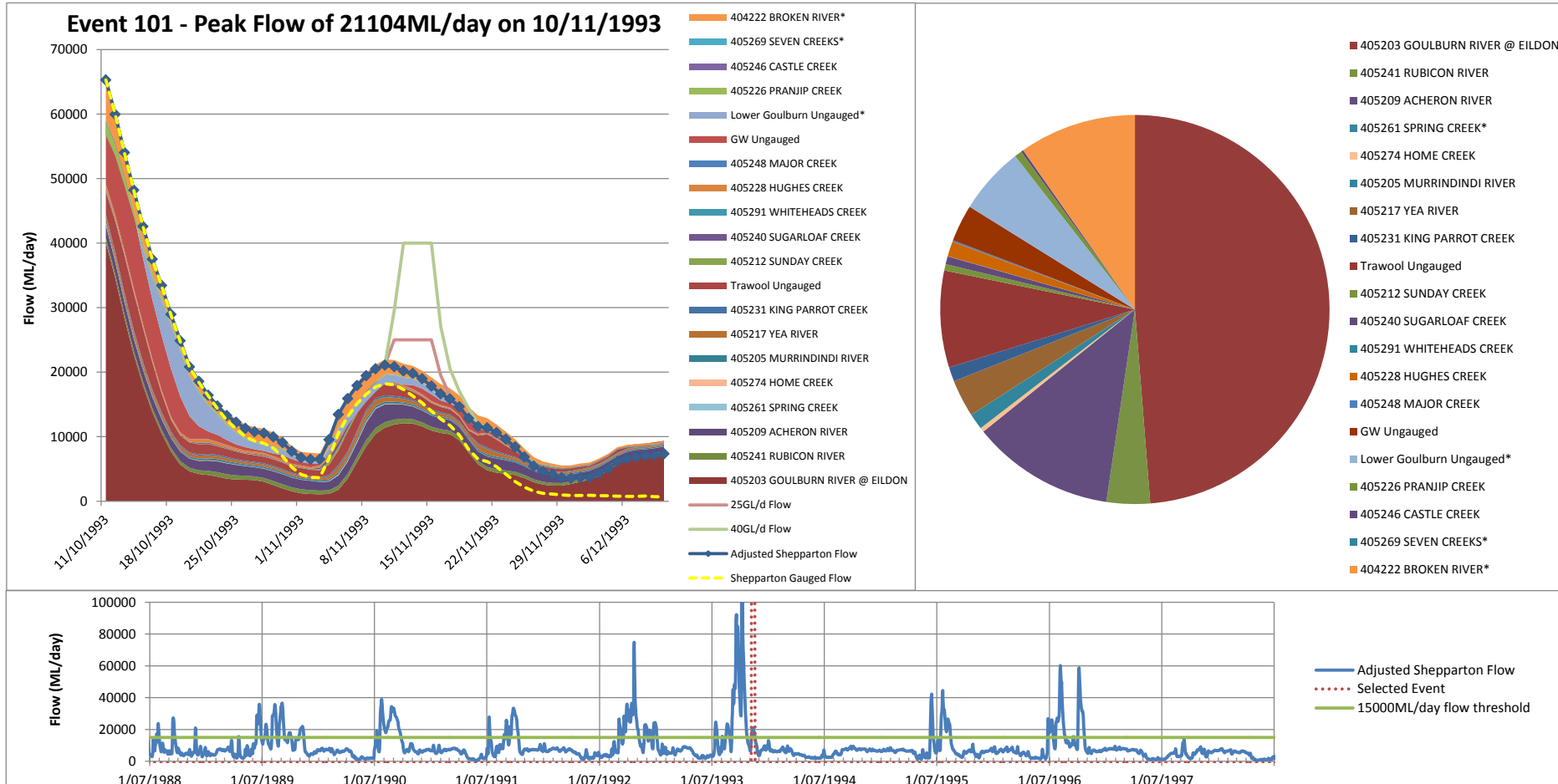


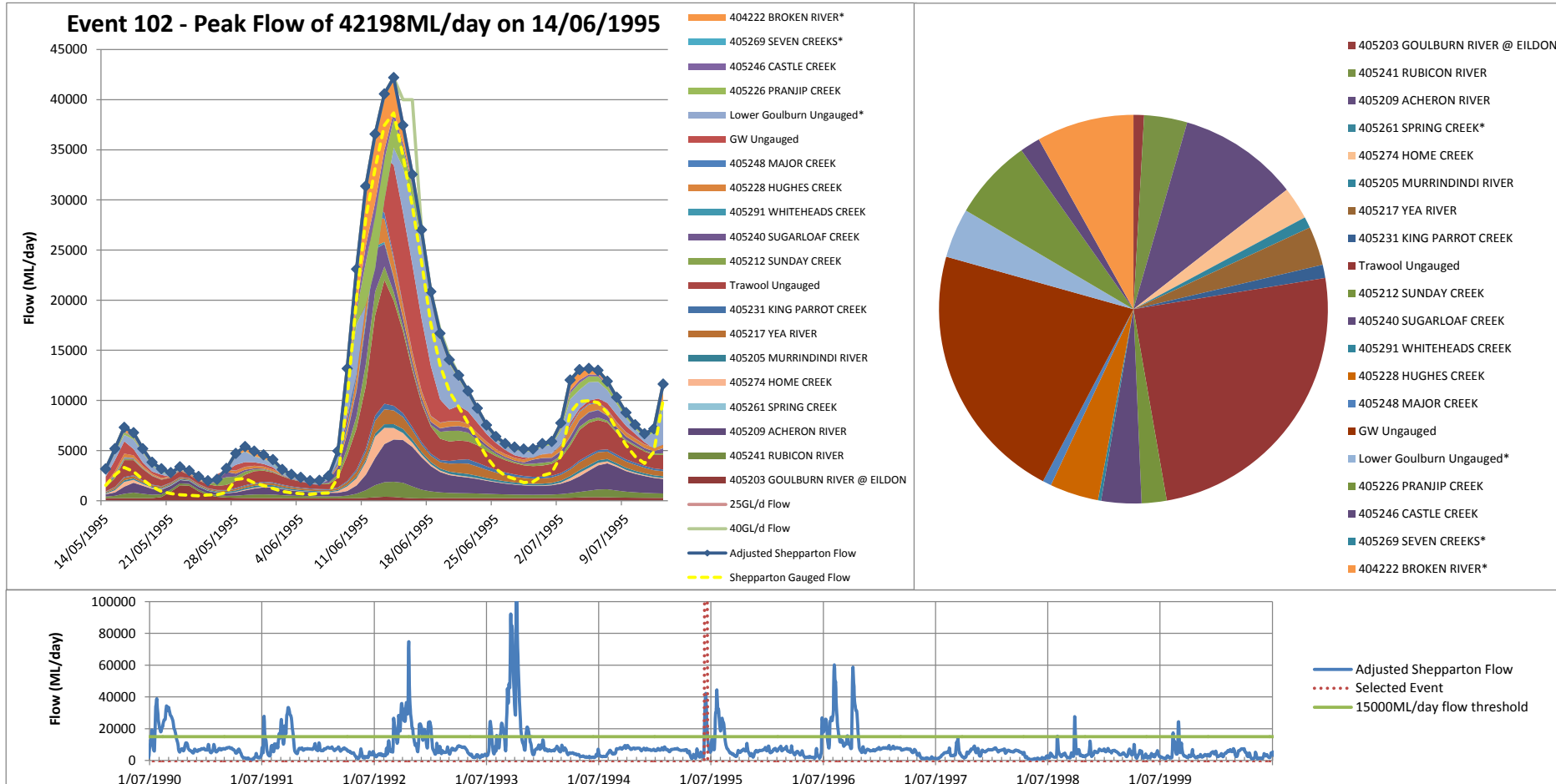


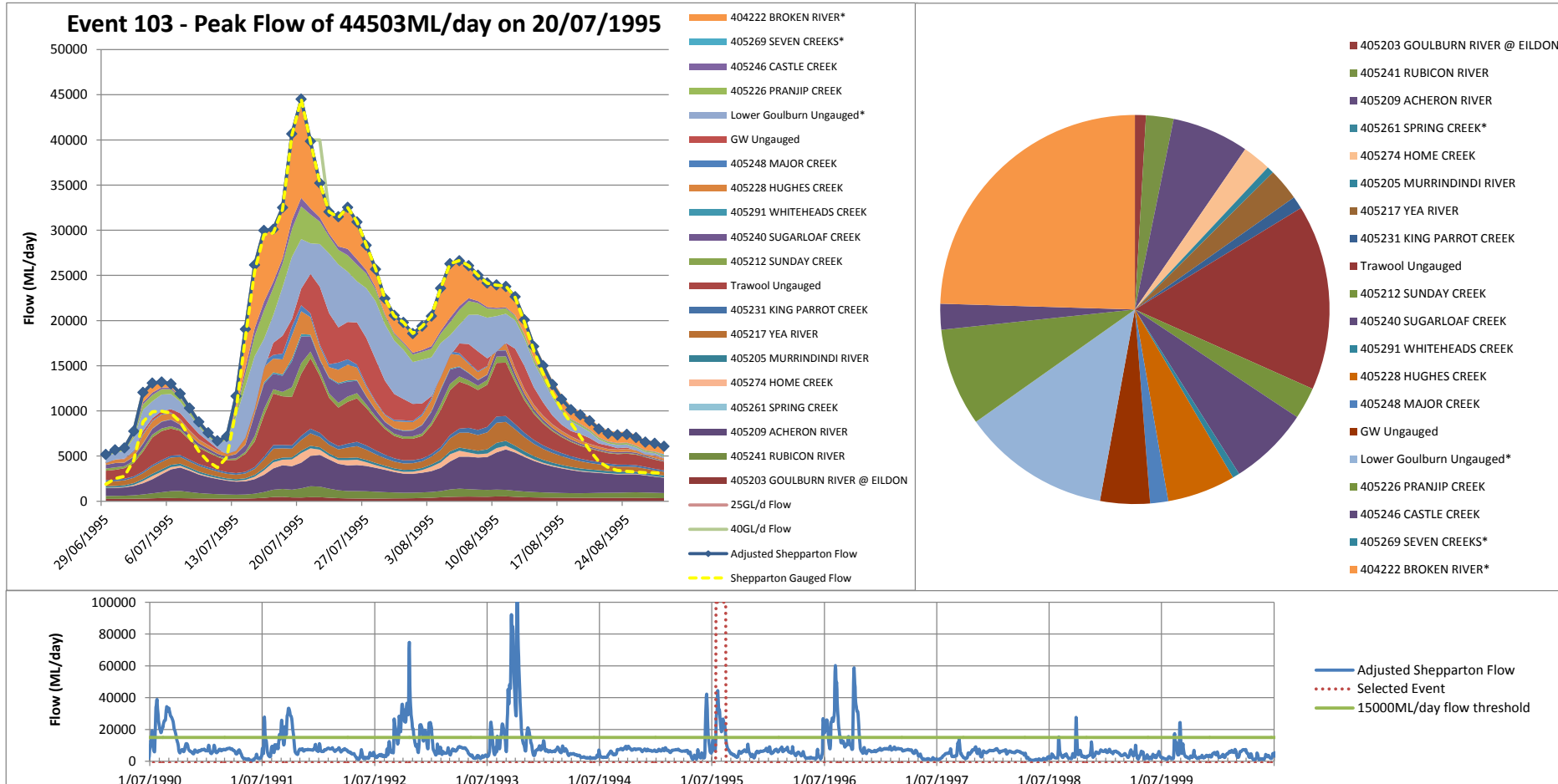


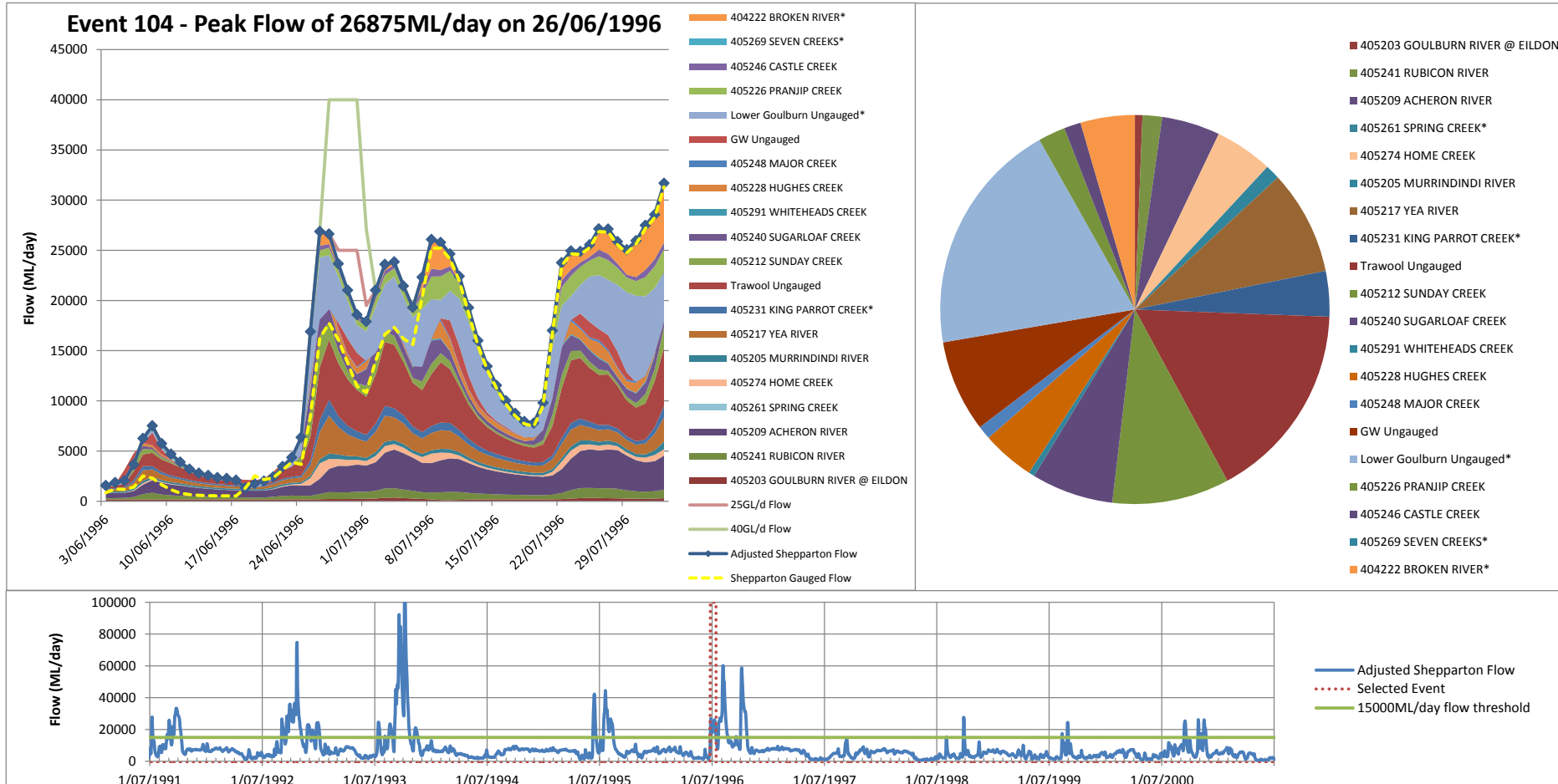
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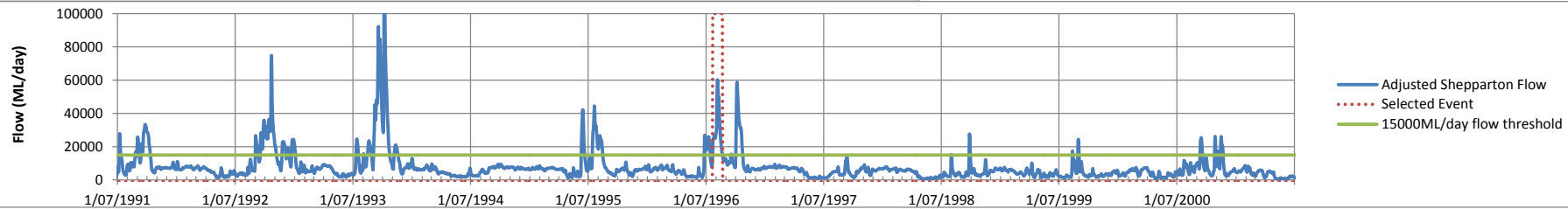
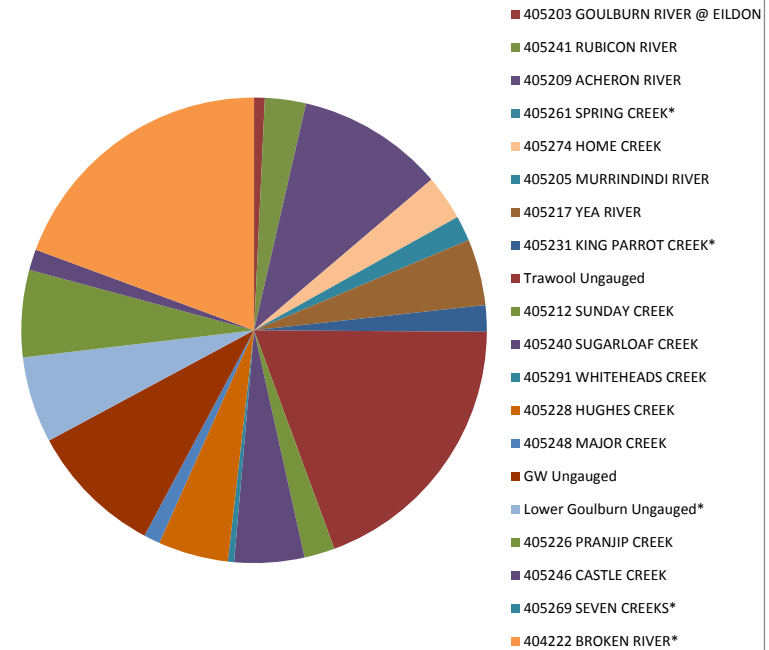
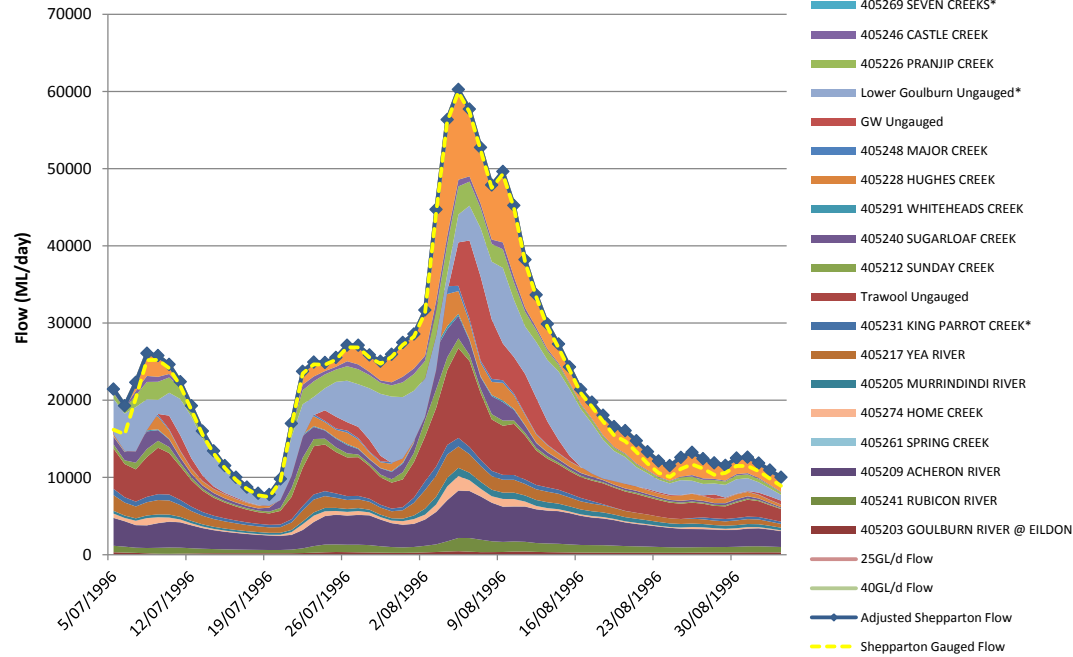


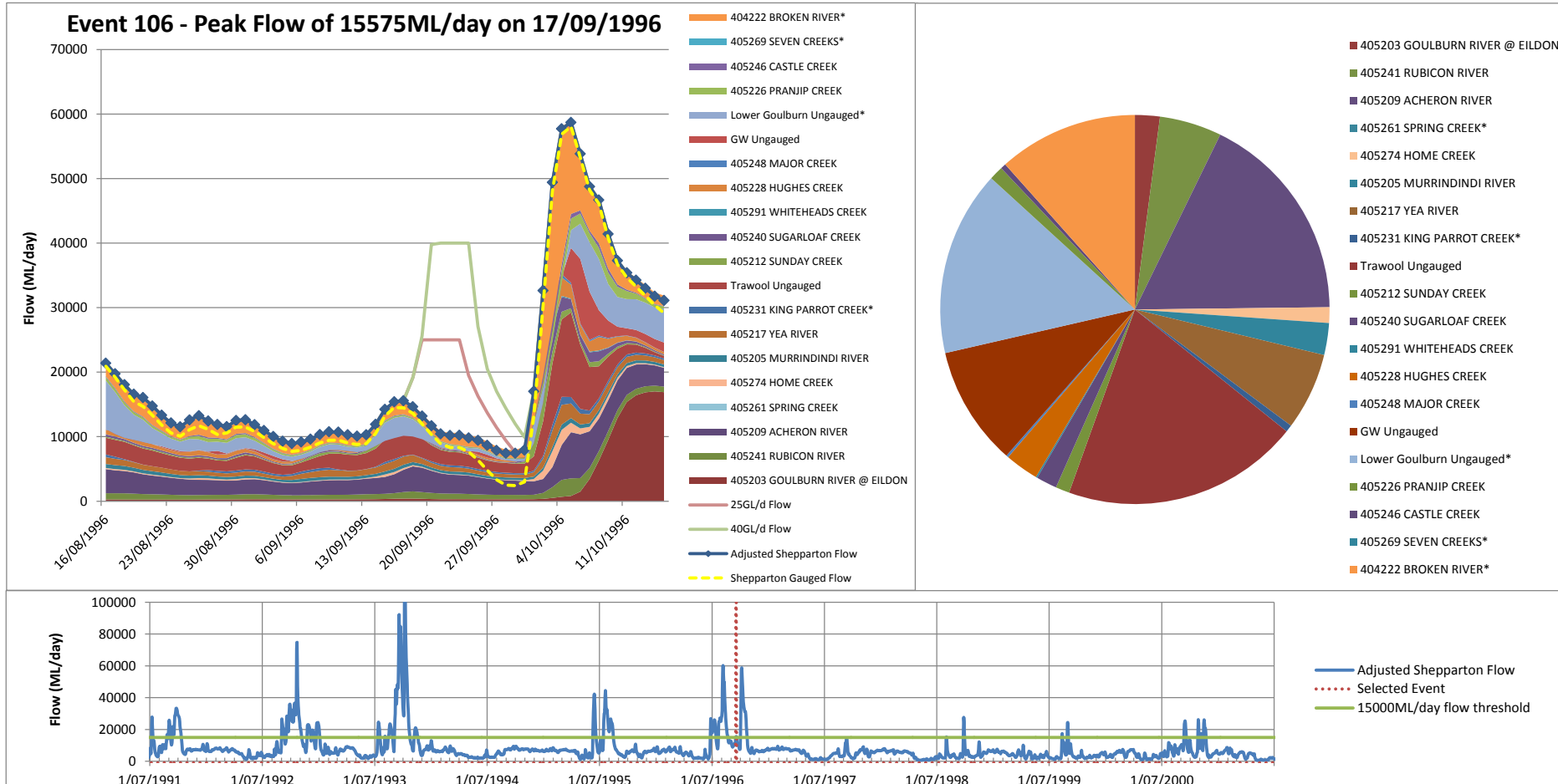


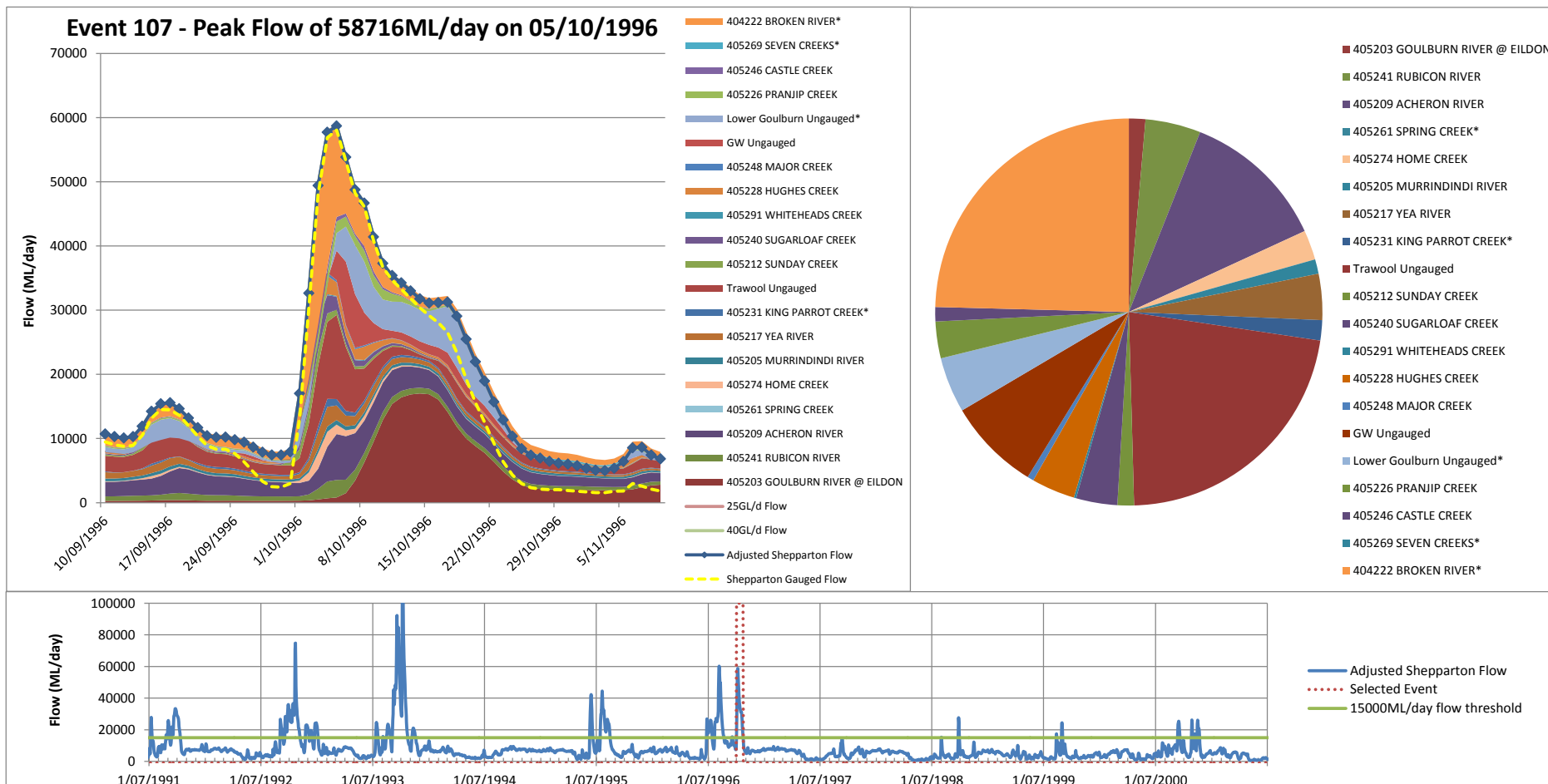




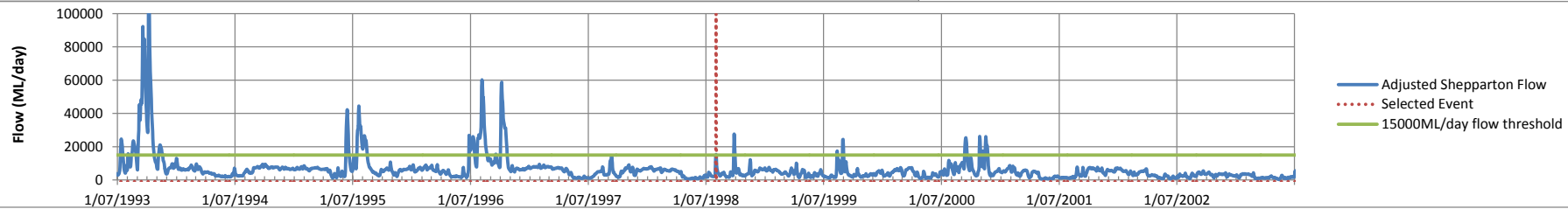
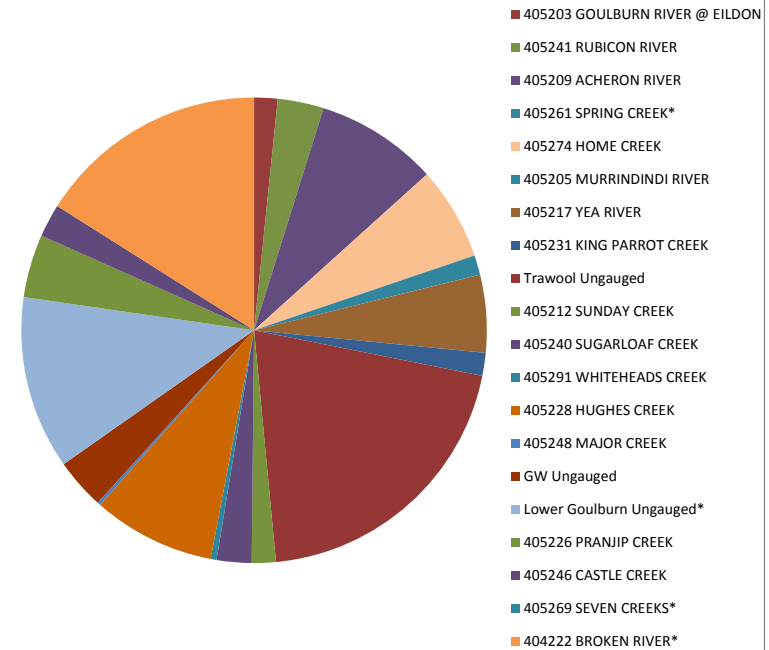
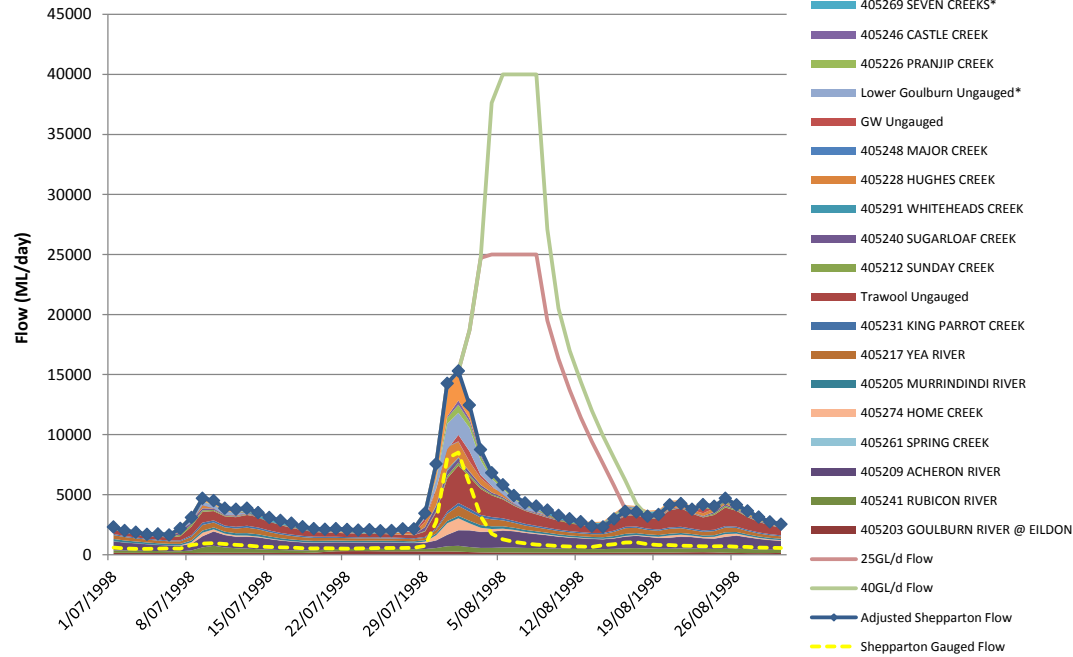
Event 105 - Peak Flow of 60253ML/day on 05/08/1996



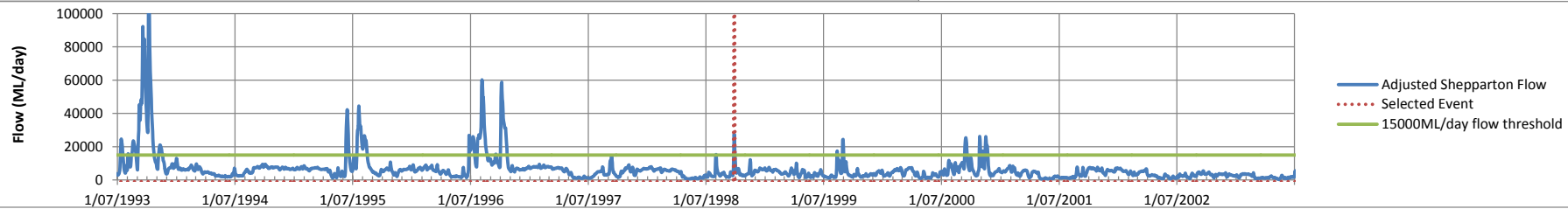
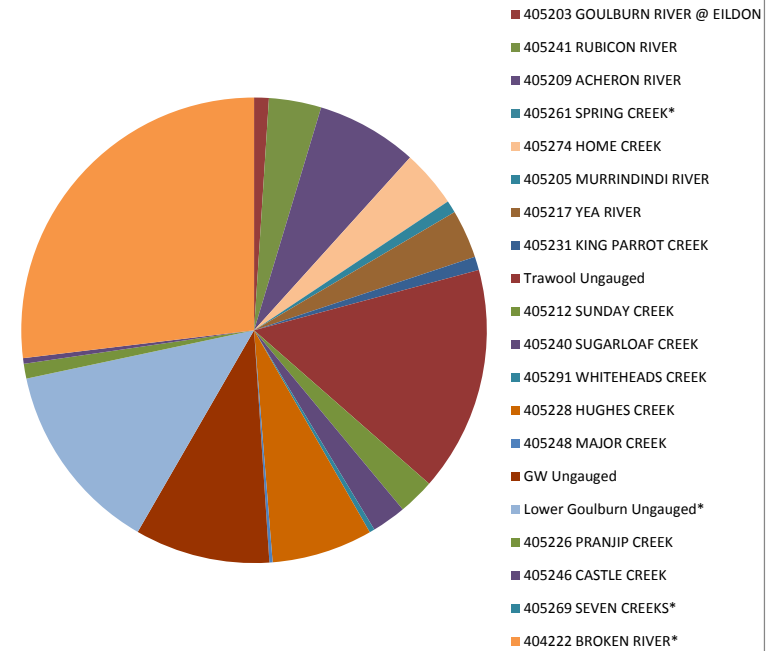
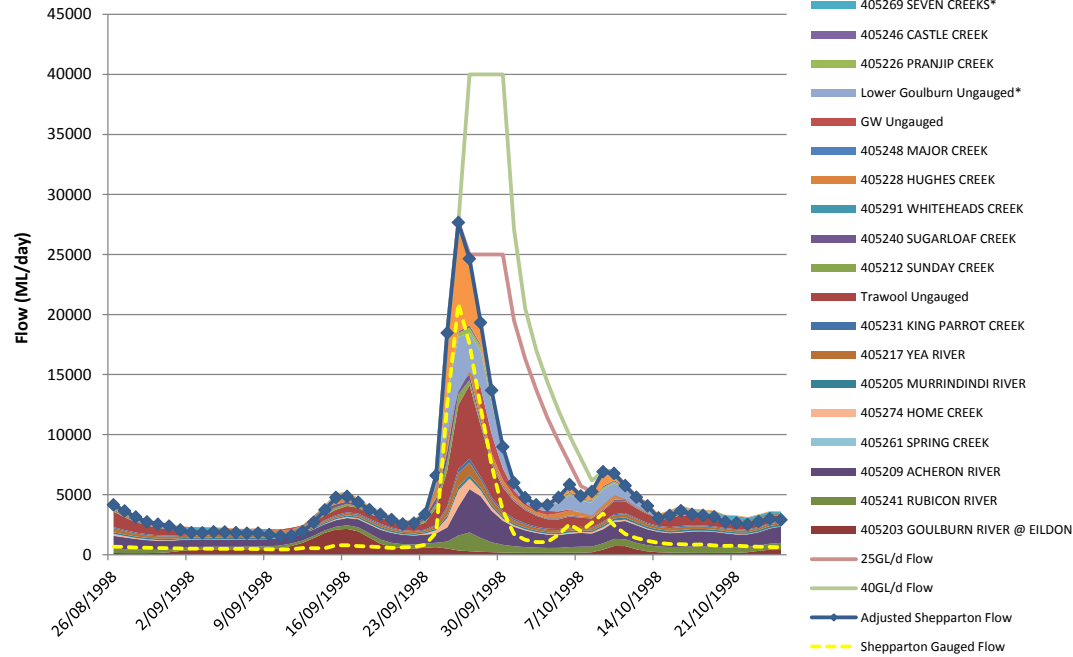


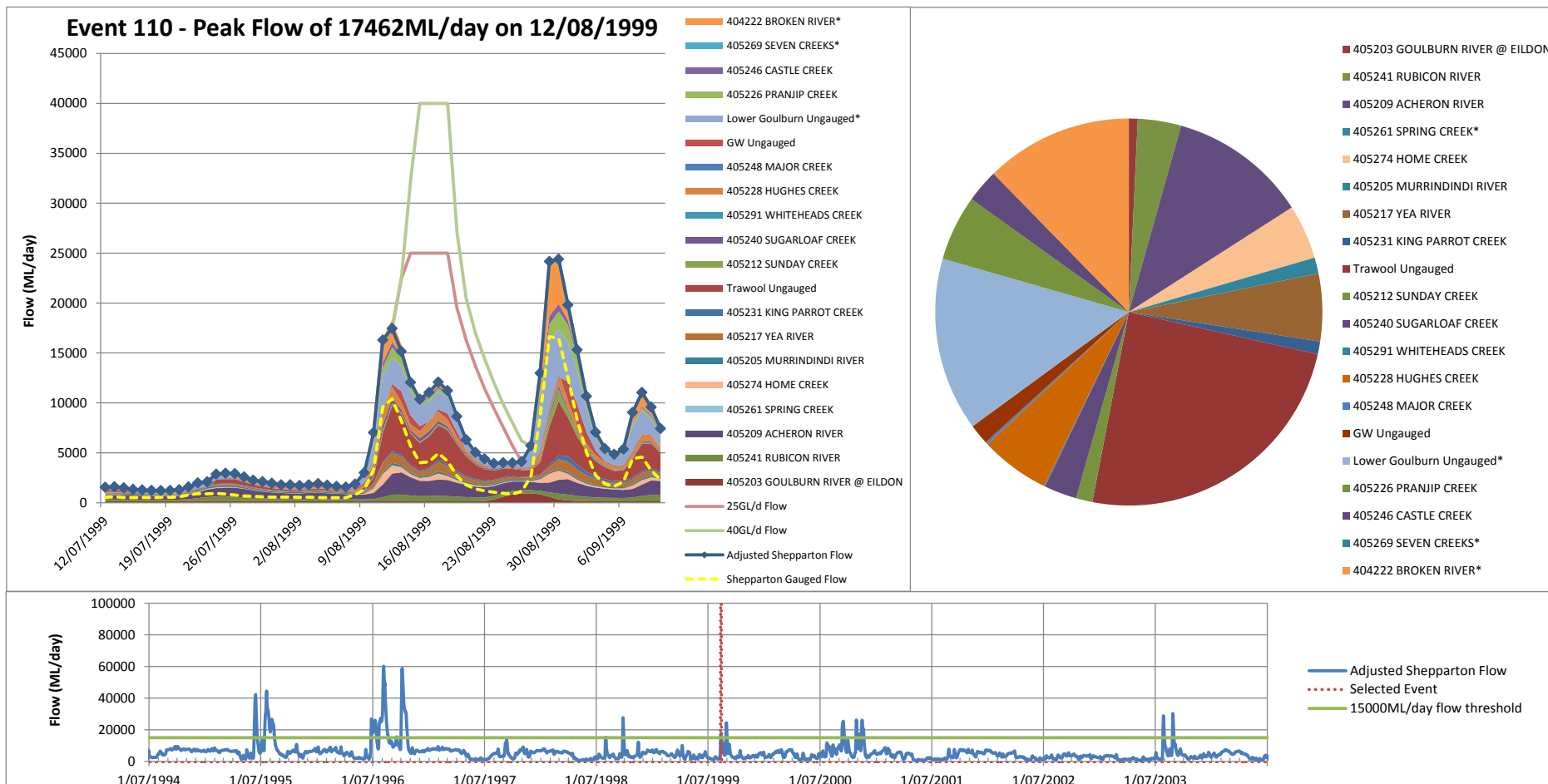


Event 108 - Peak Flow of 15292ML/day on 01/08/1998

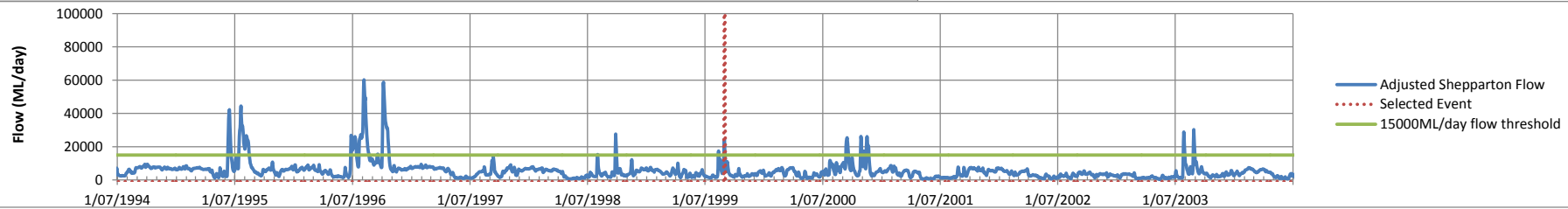
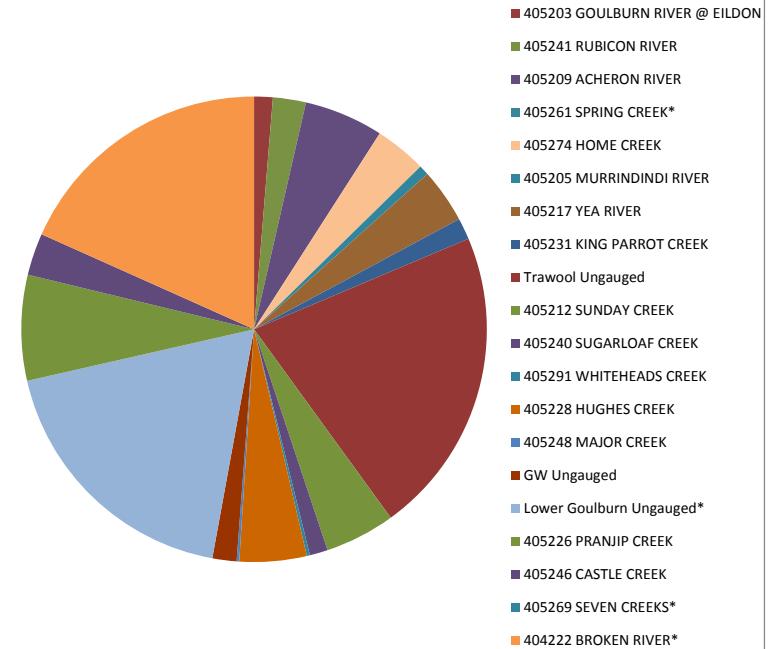
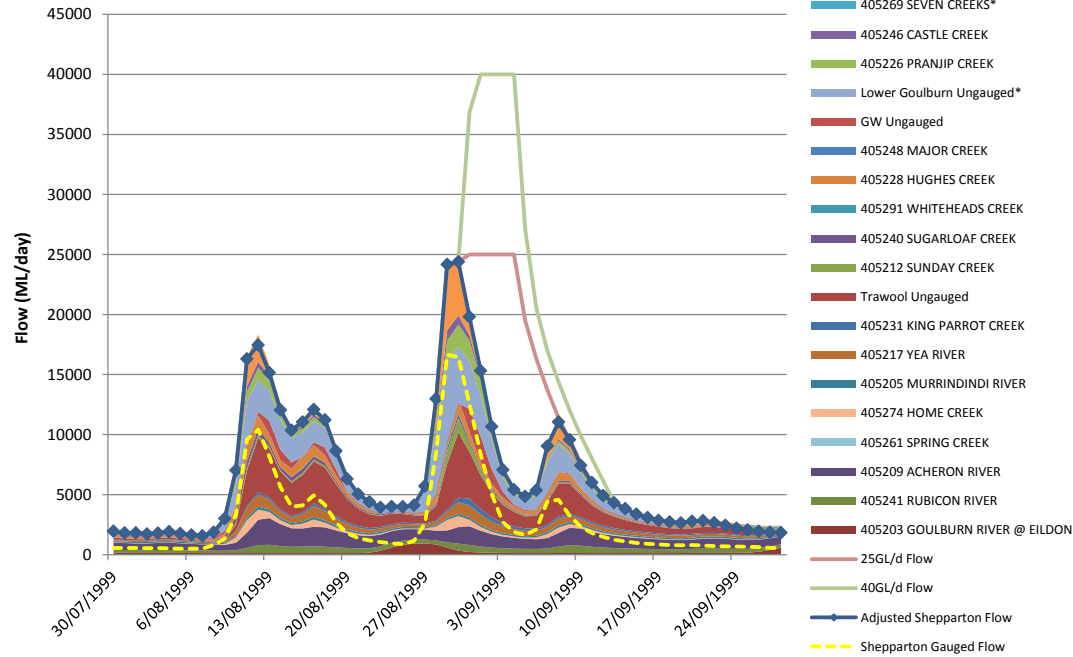


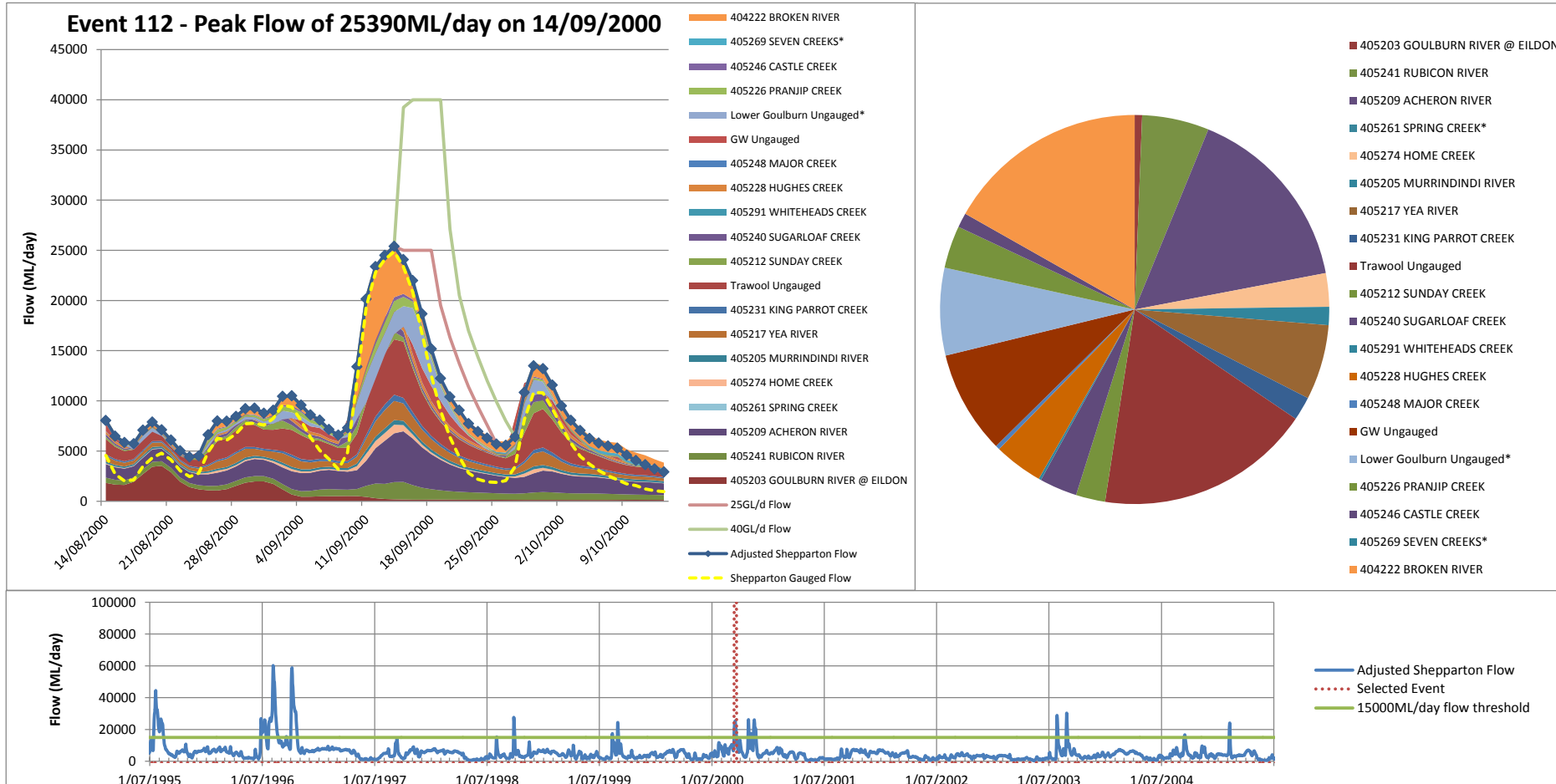
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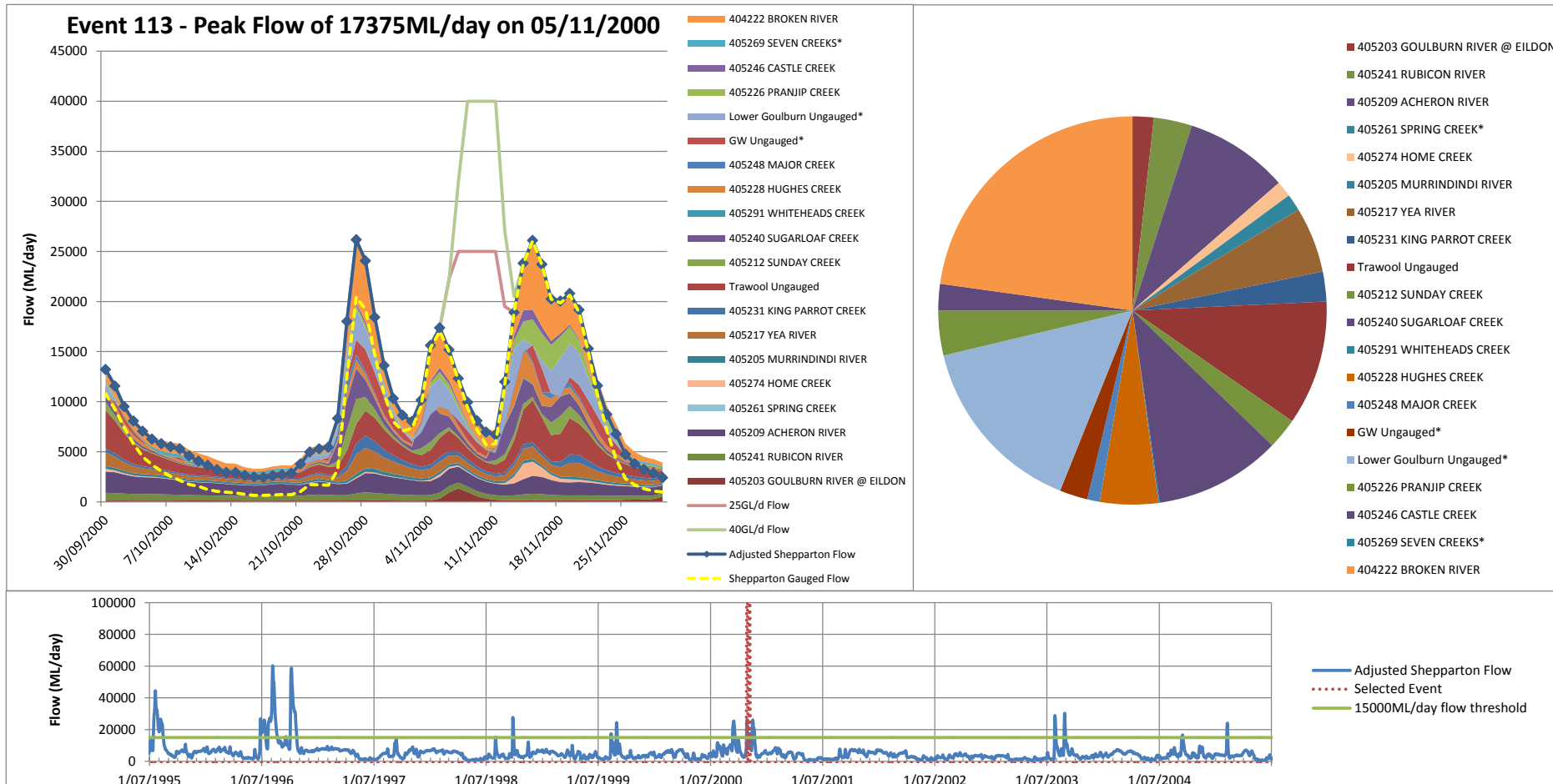




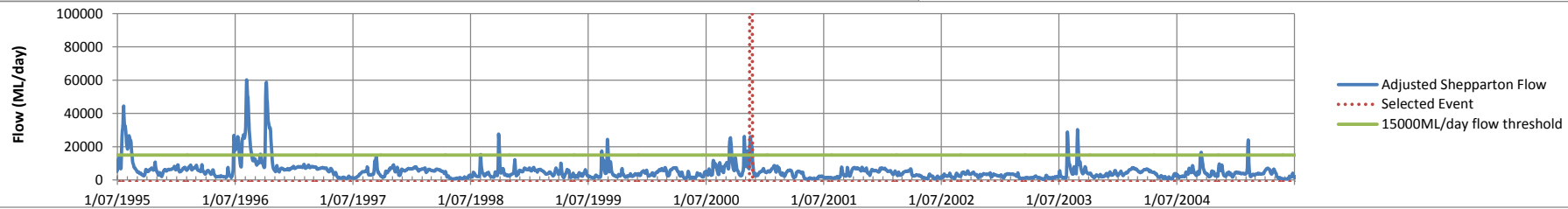
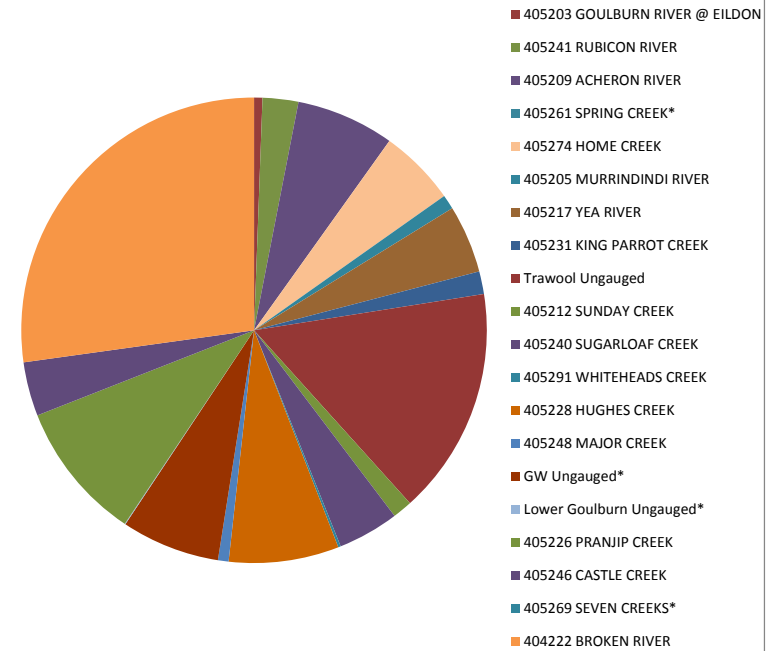
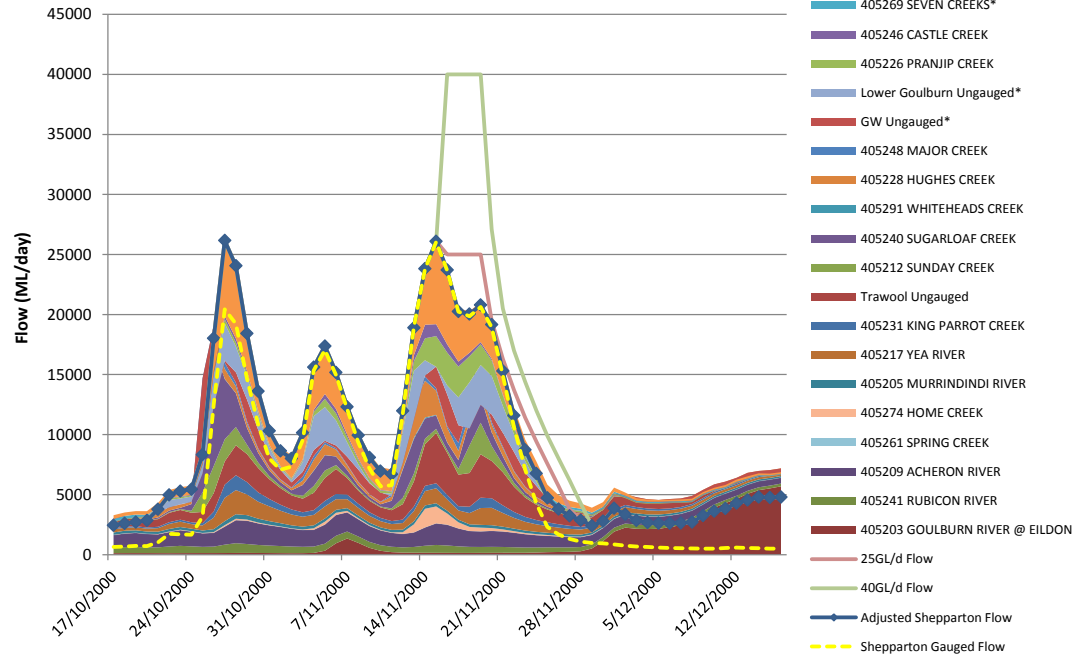
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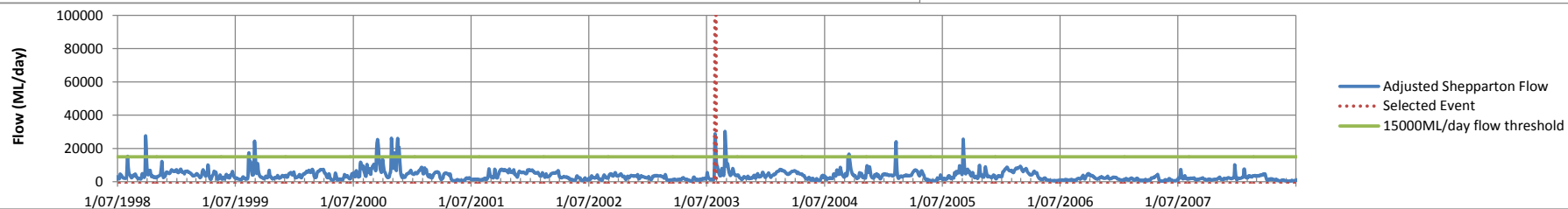
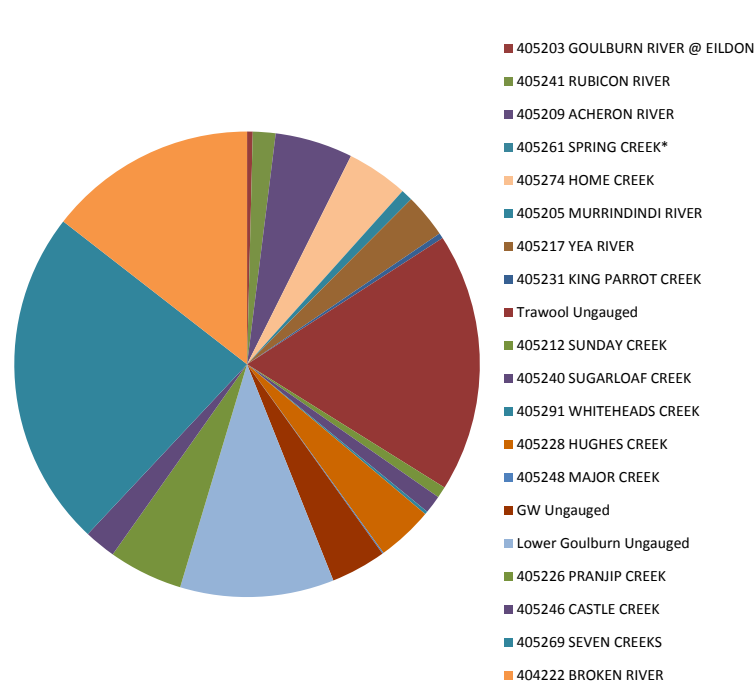
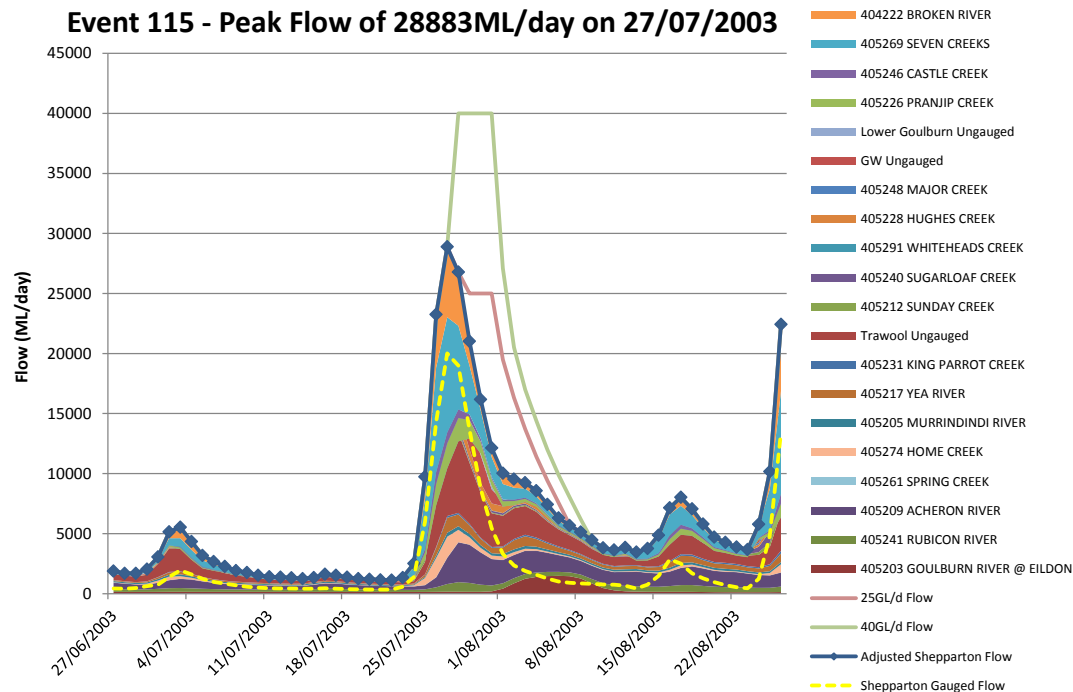




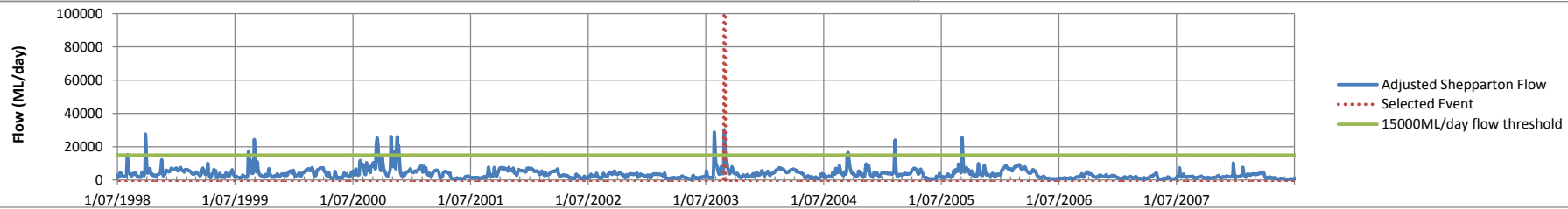
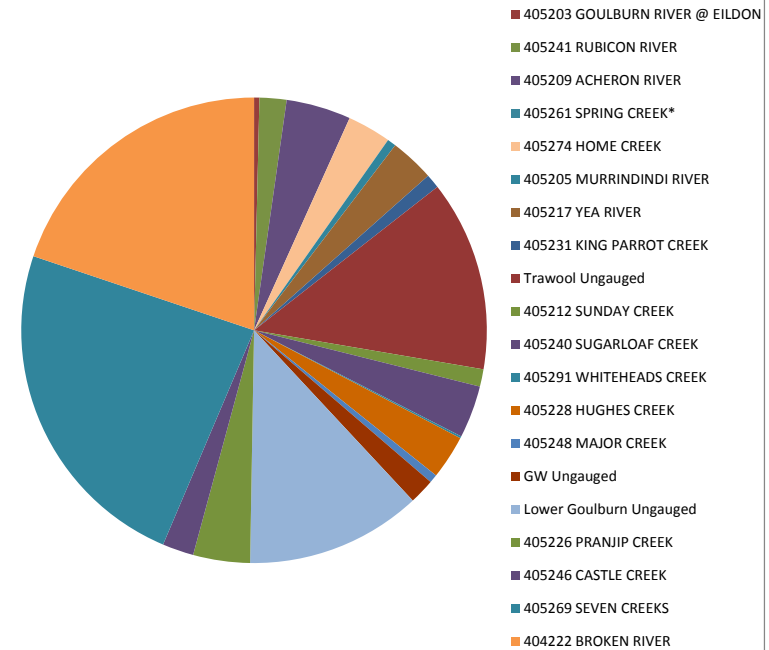
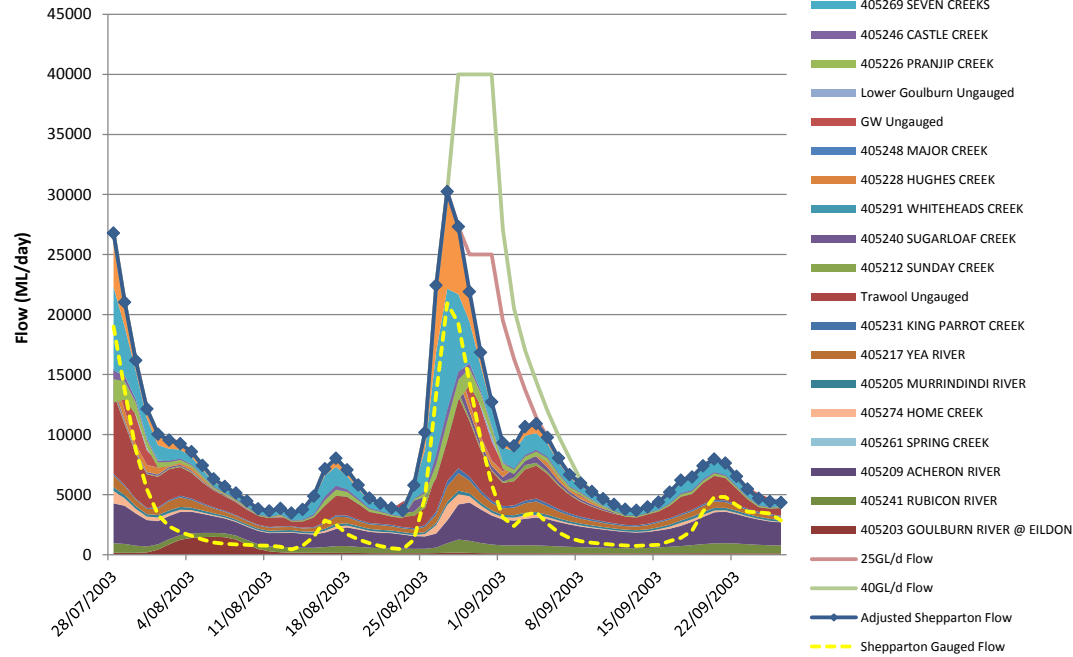
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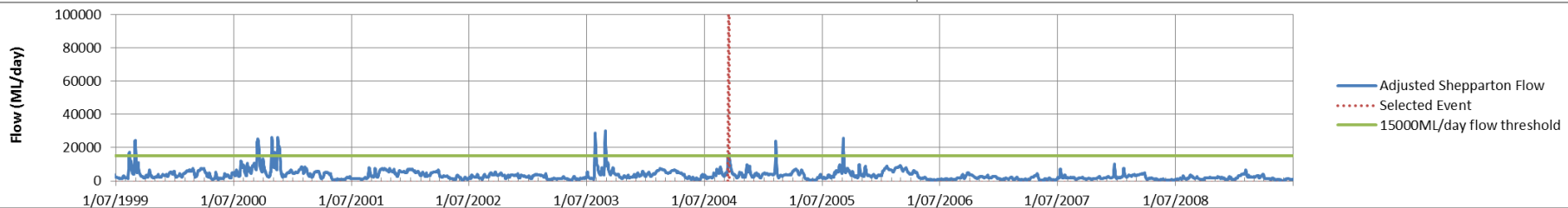
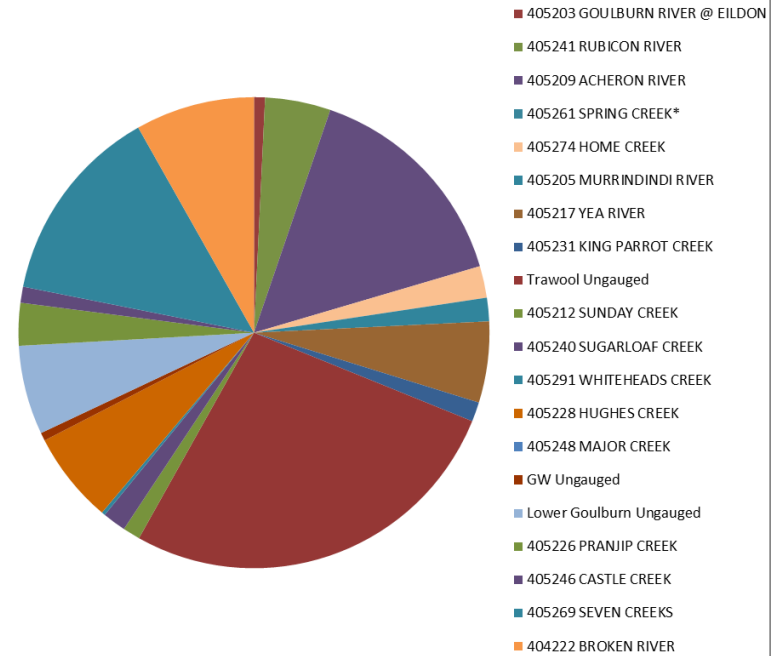
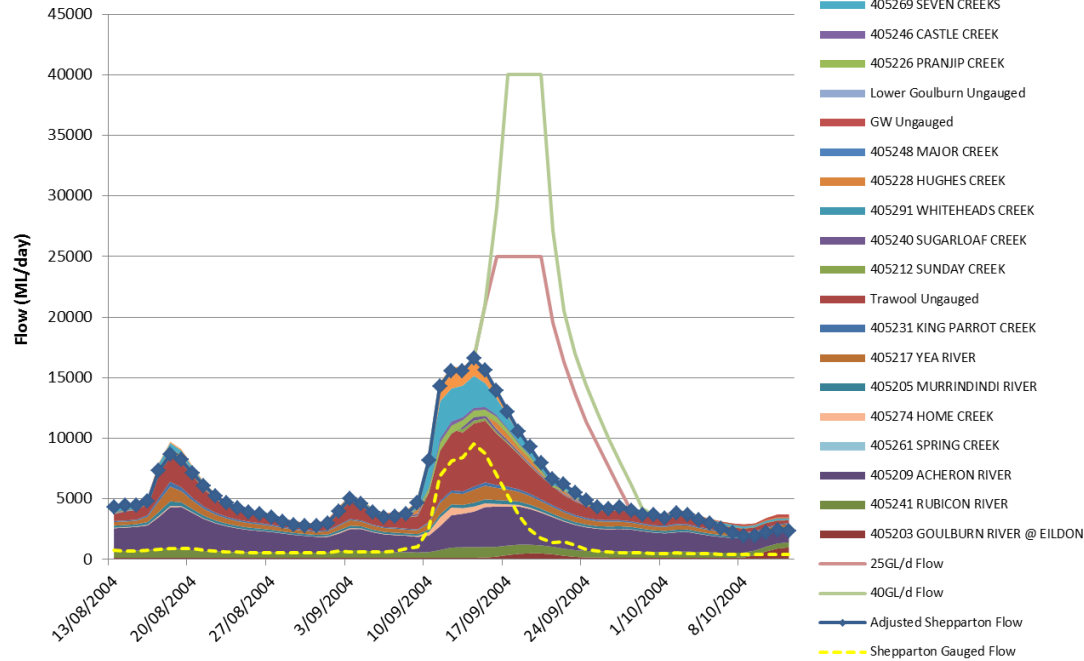
Event 115 - Peak Flow of 28883ML/day on 27/07/2003



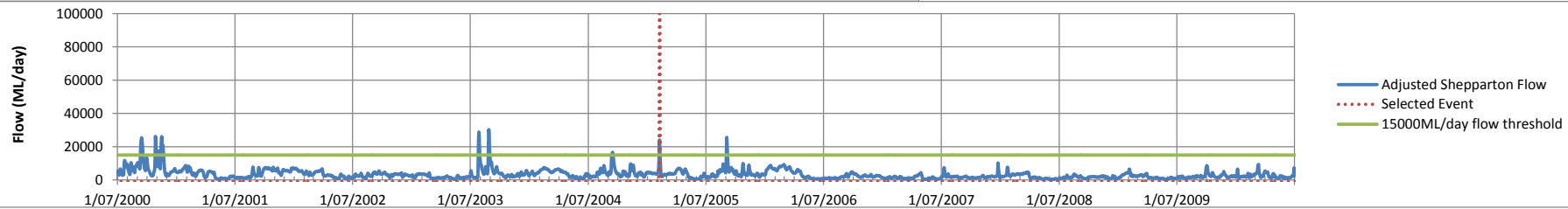
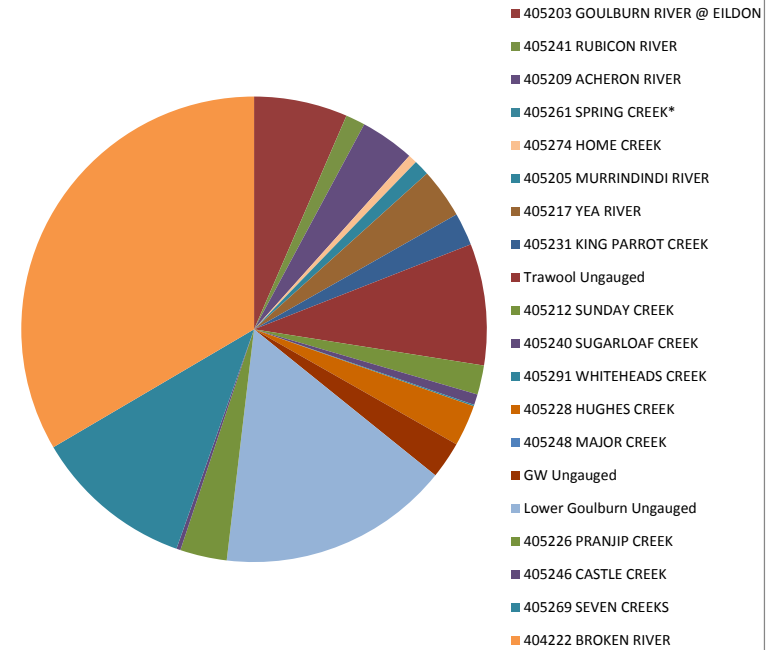
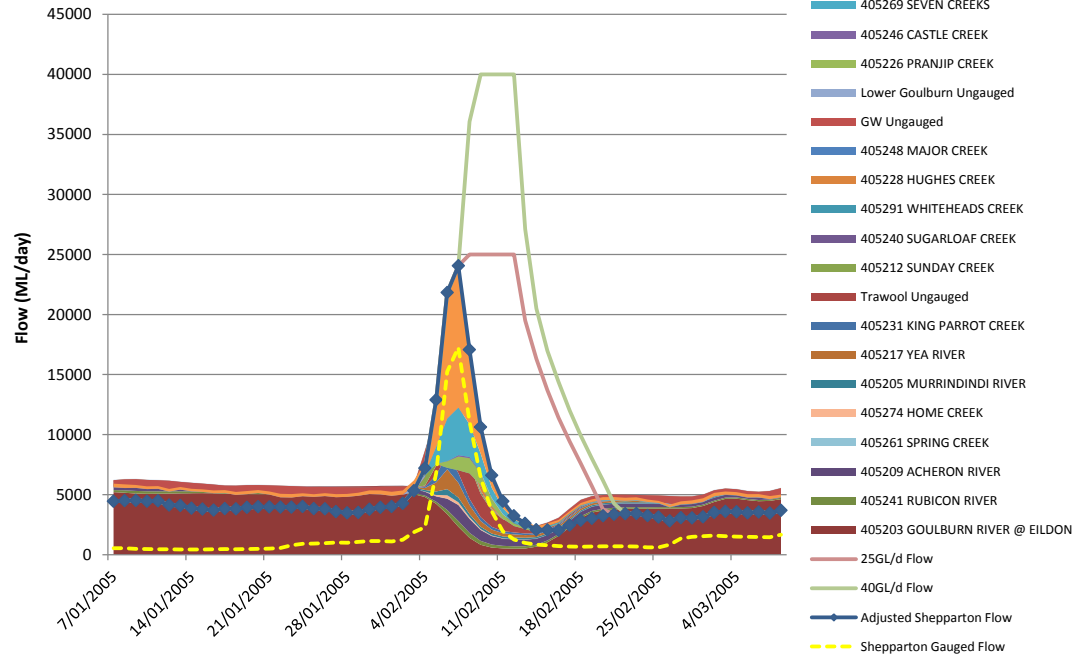
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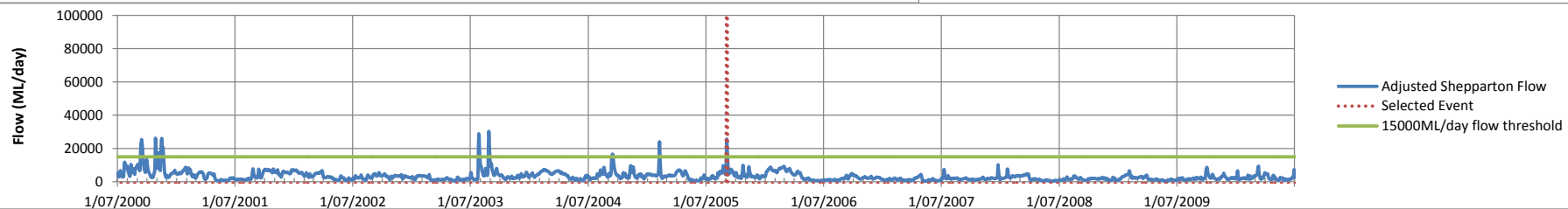
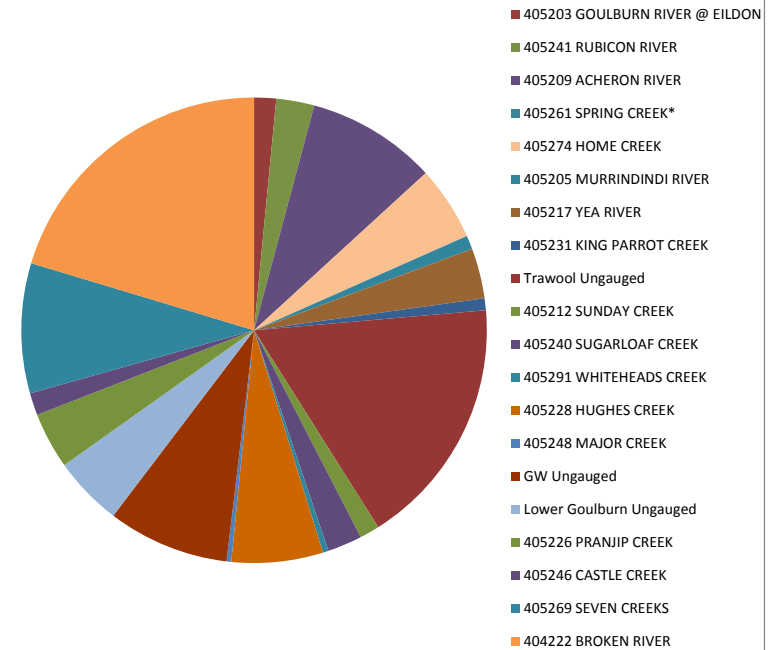
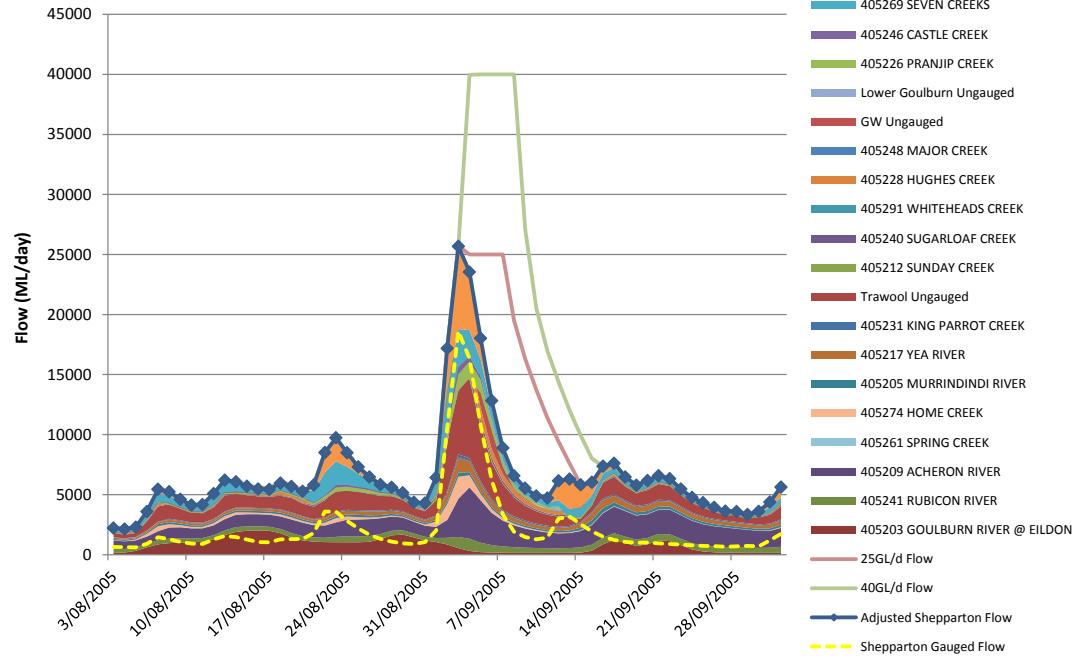
Event 117 - Peak Flow of 16598ML/day on 14/09/2004



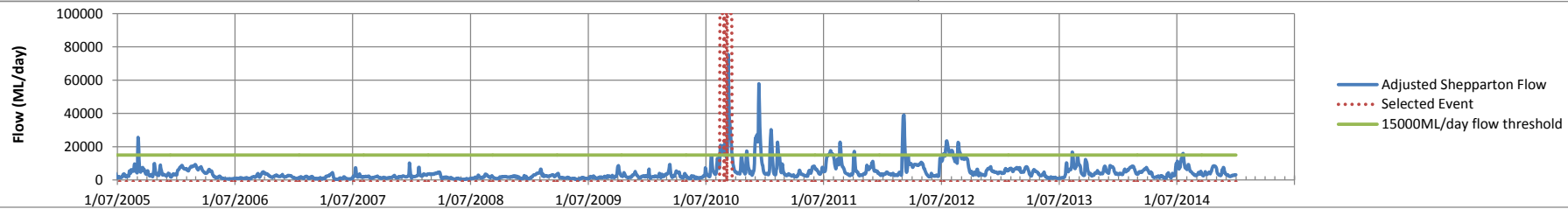
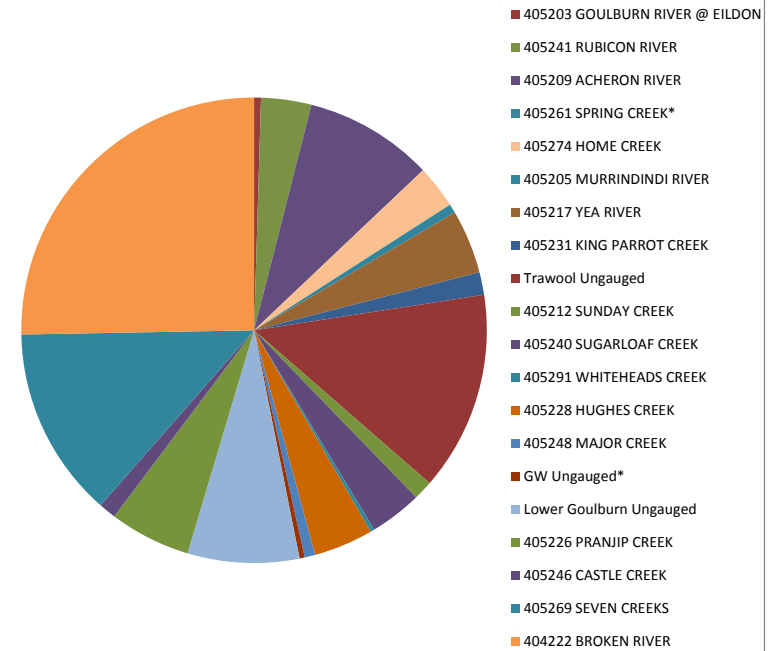
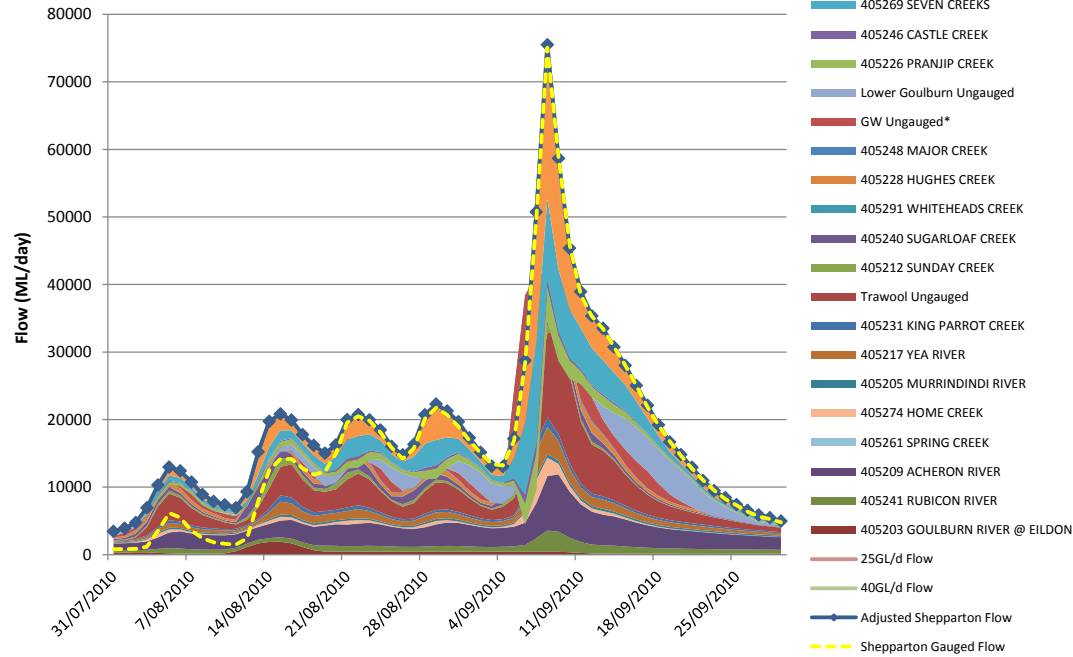
Event 118 - Peak Flow of 24057ML/day on 07/02/2005



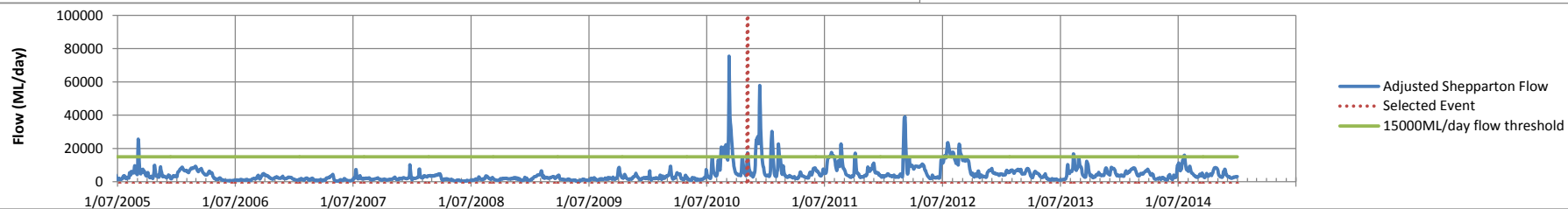
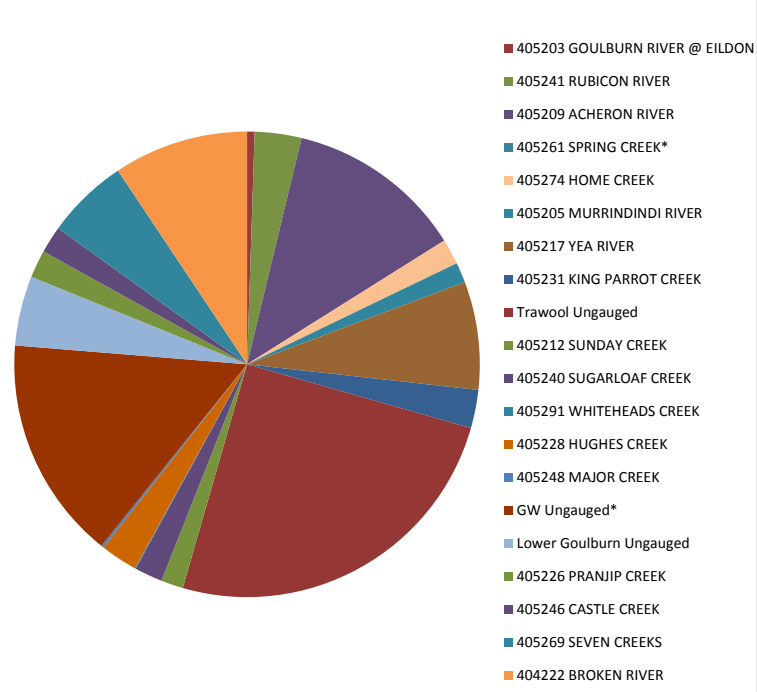
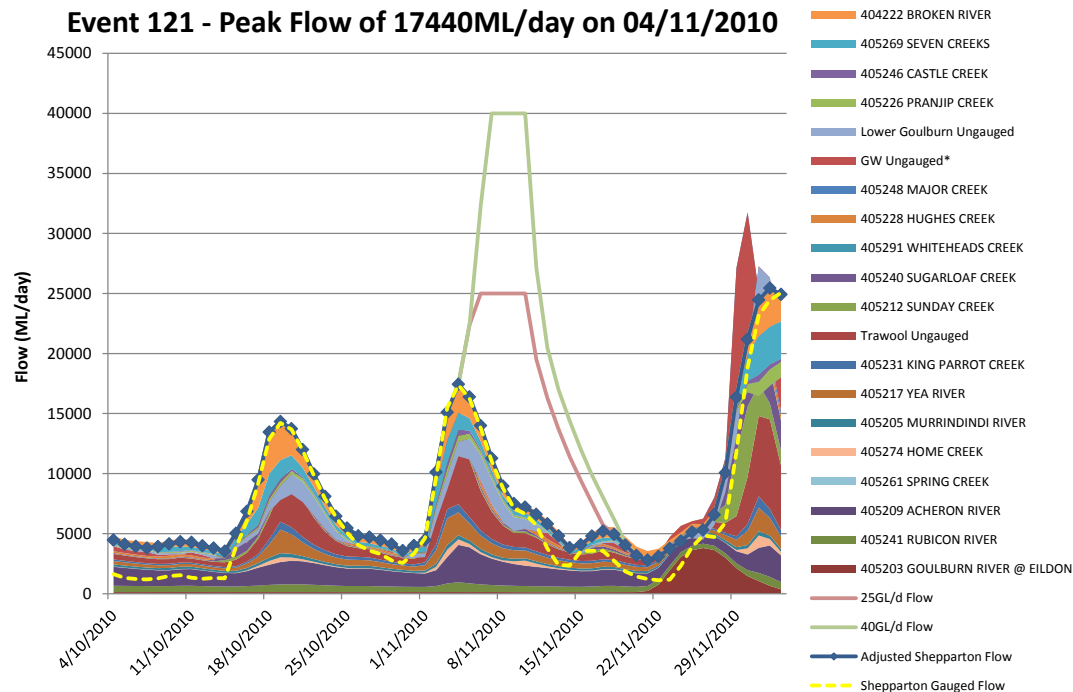
Event 119 - Peak Flow of 25680ML/day on 03/09/2005



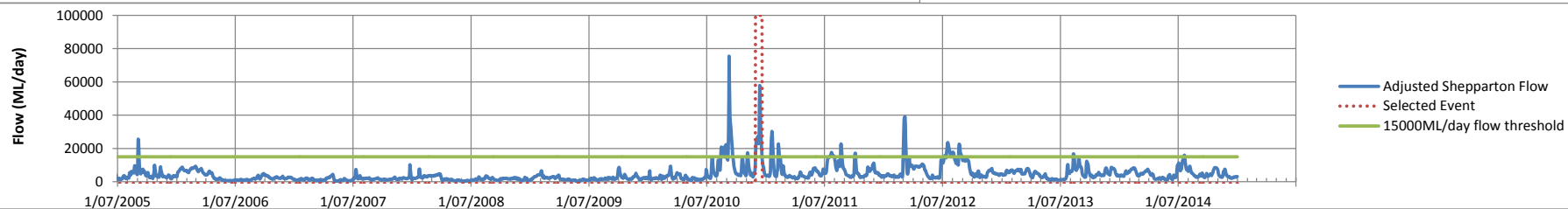
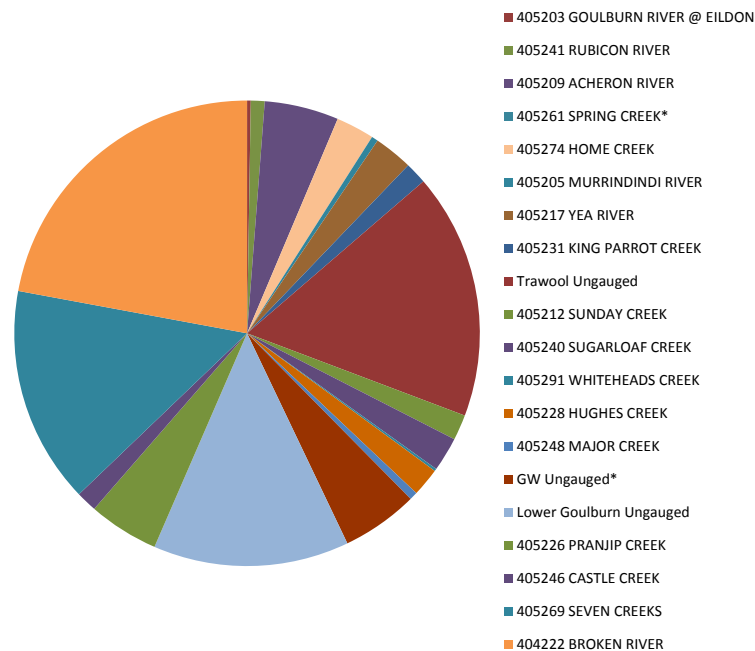
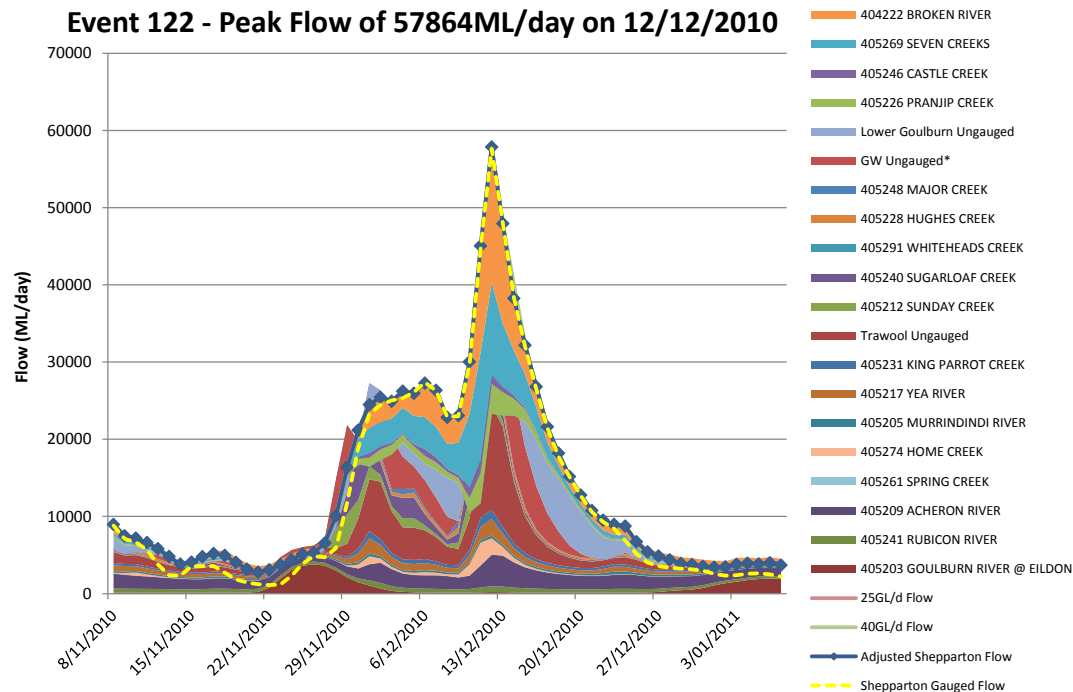
Event 120 - Peak Flow of 75480ML/day on 08/09/2010



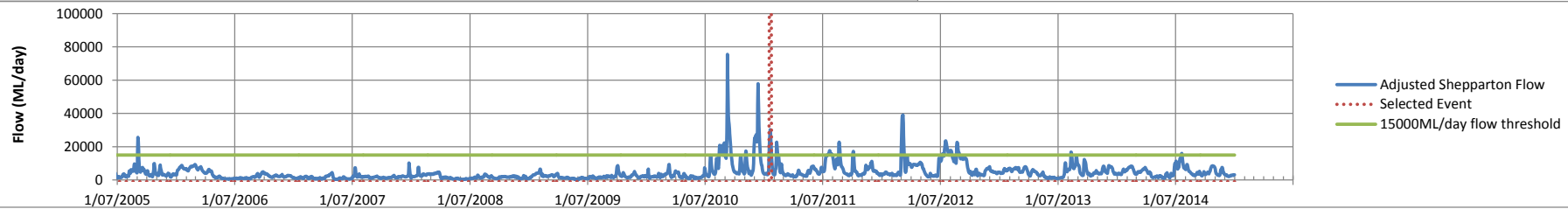
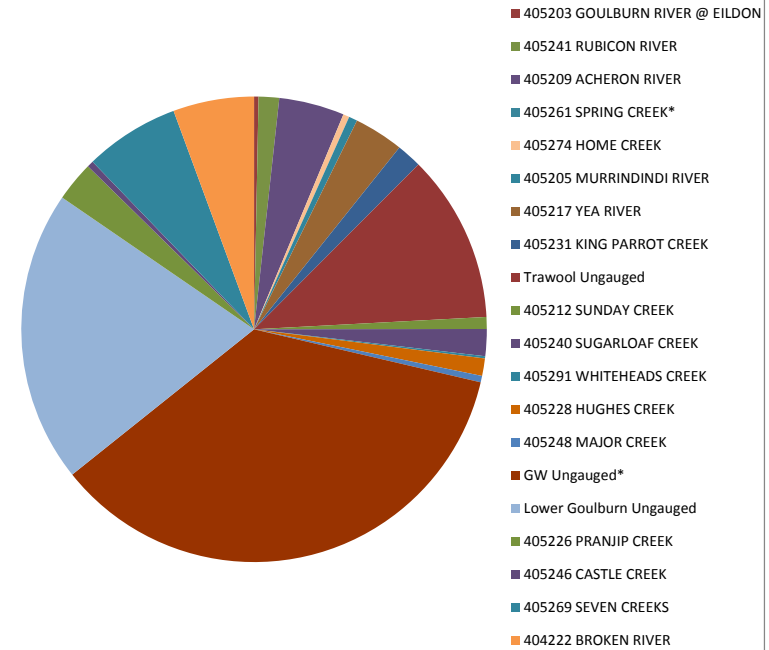
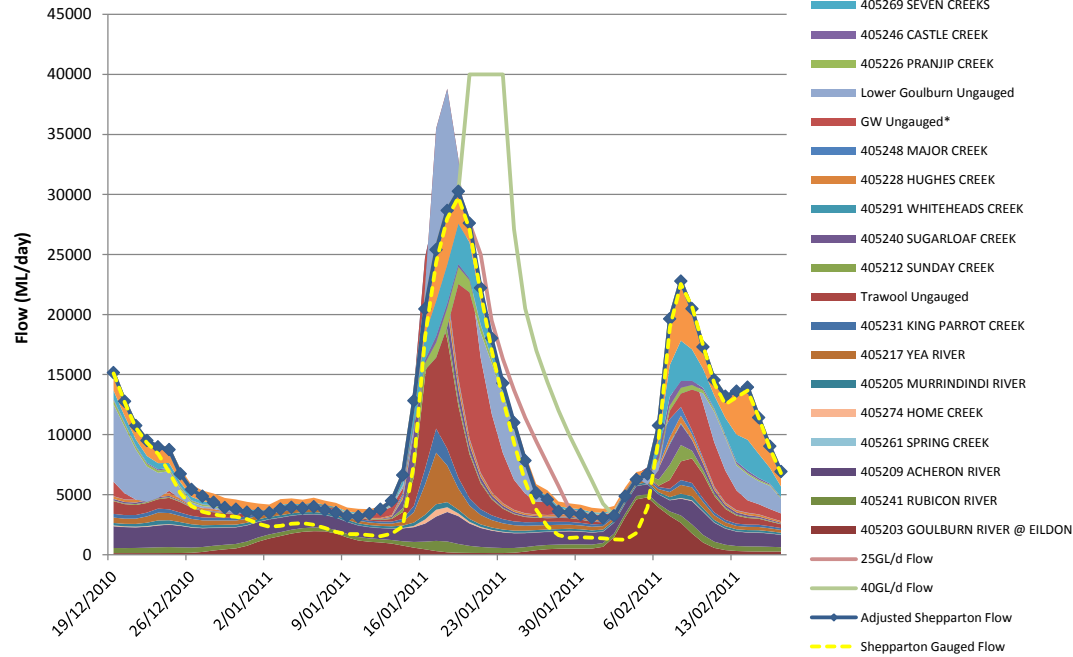
Event 121 - Peak Flow of 17440ML/day on 04/11/2010



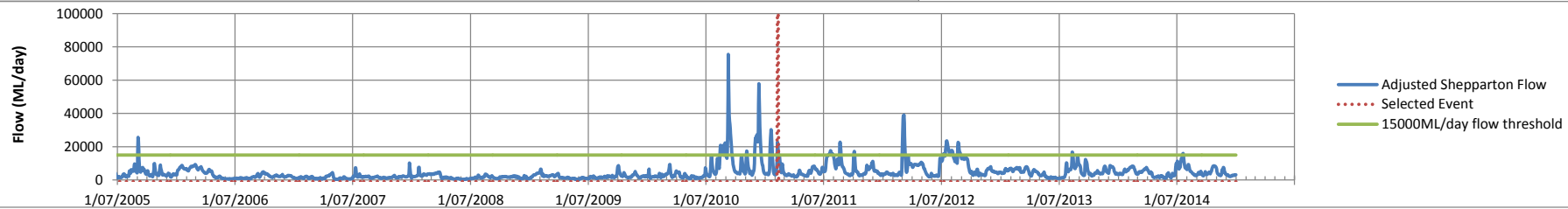
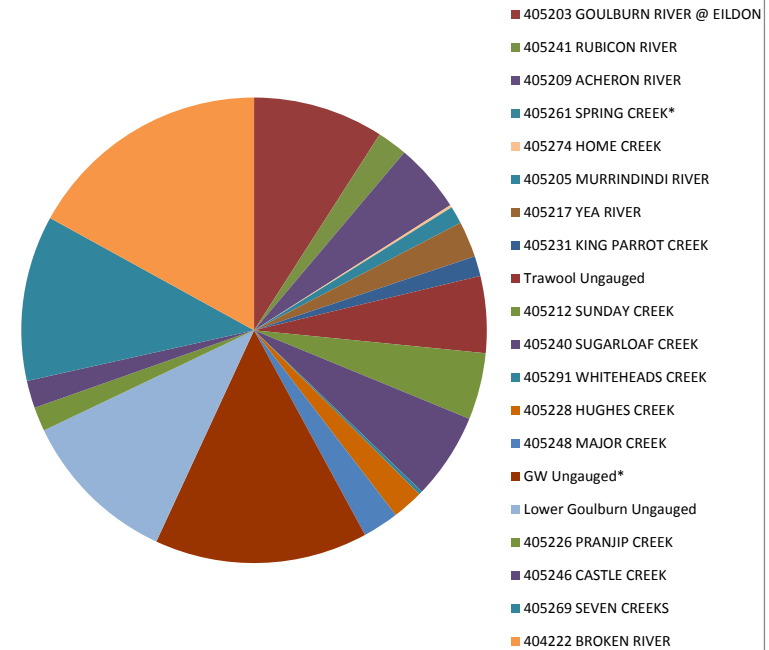
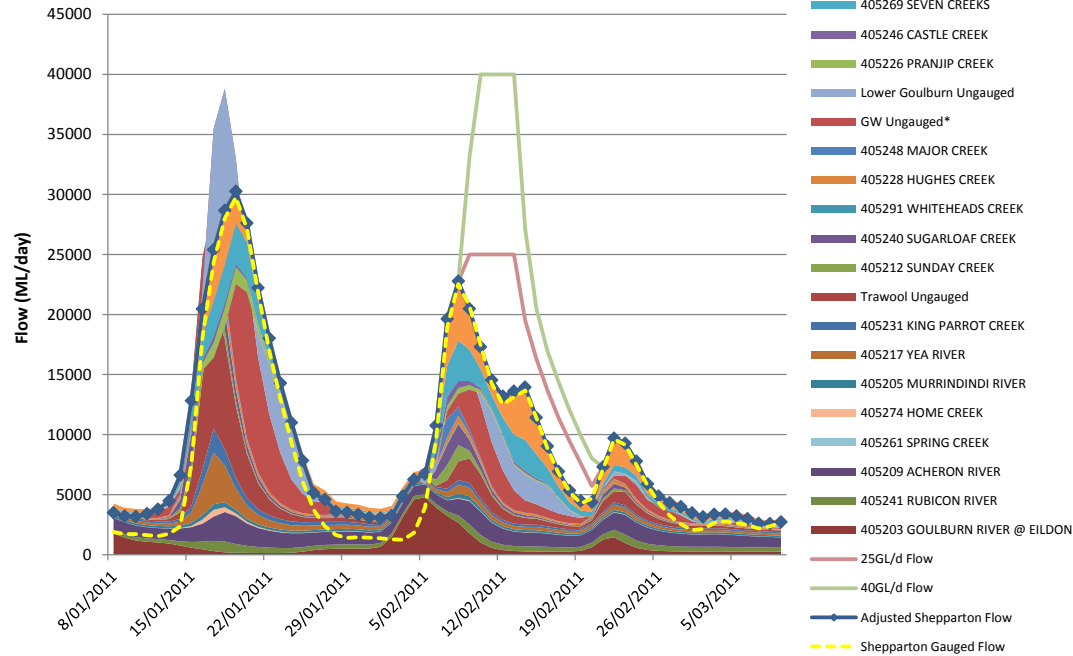
Event 122 - Peak Flow of 57864ML/day on 12/12/2010



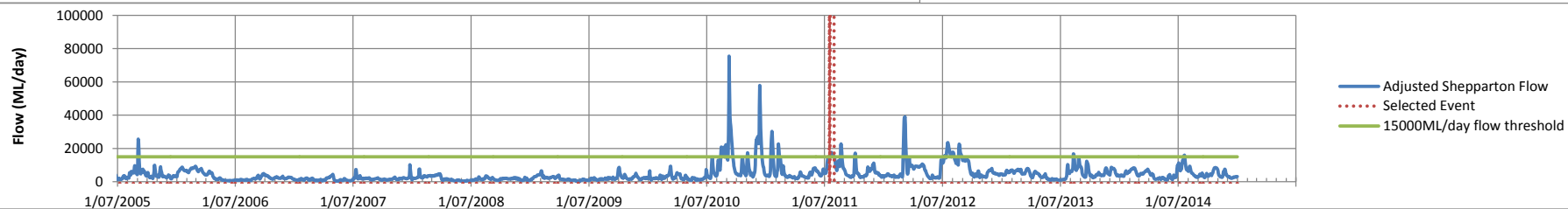
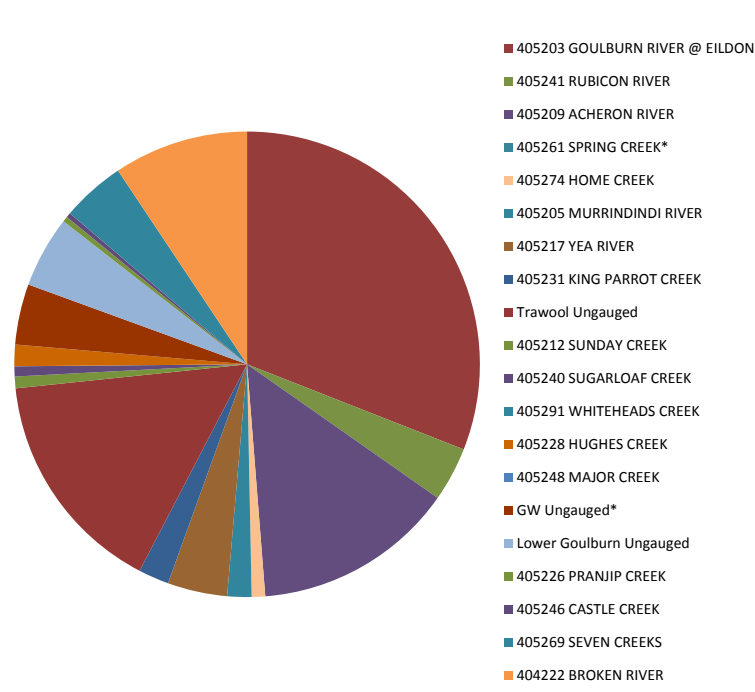
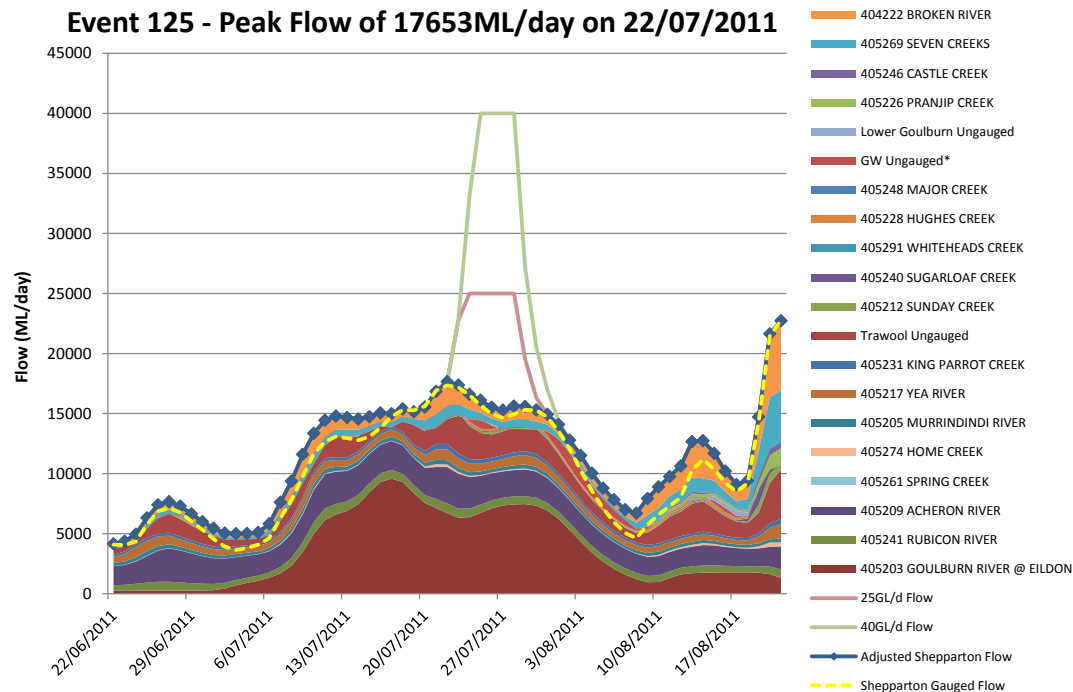
Event 123 - Peak Flow of 30251ML/day on 19/01/2011



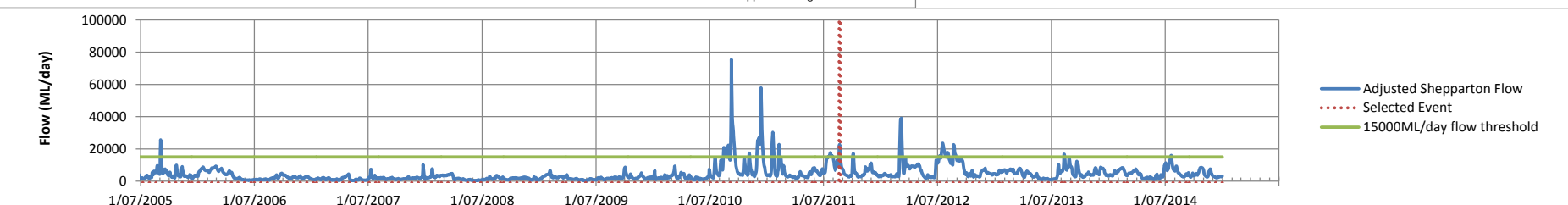
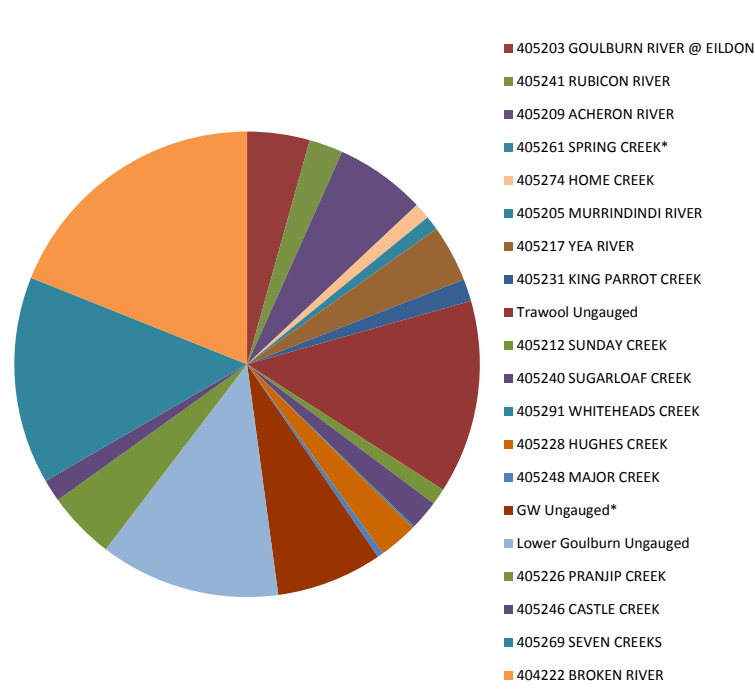
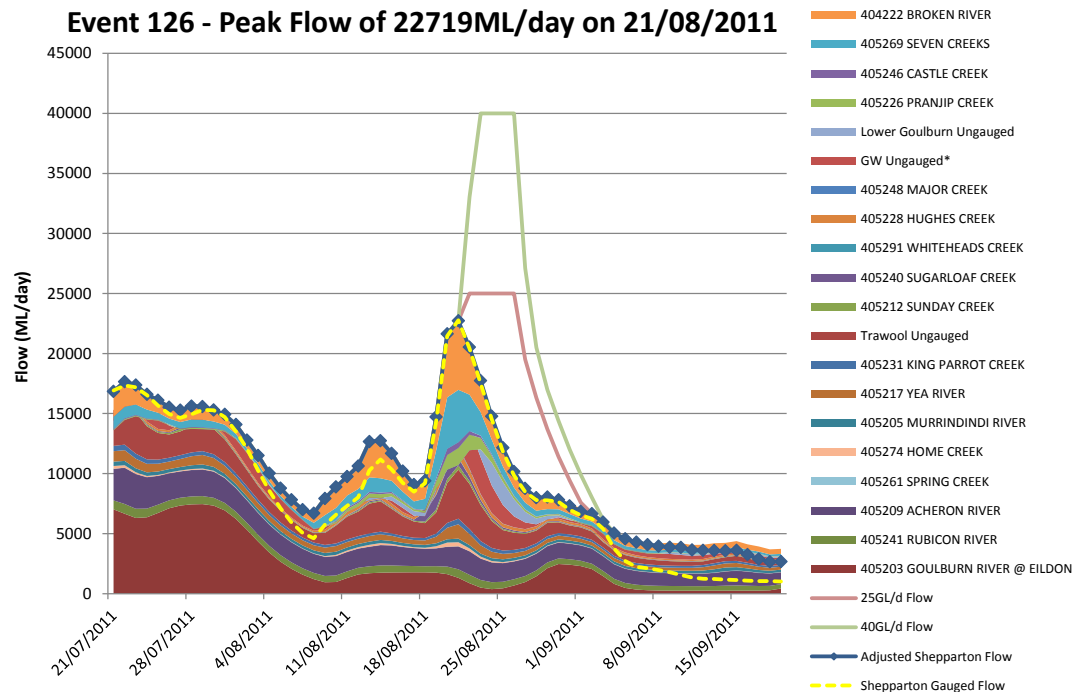
Event 124 - Peak Flow of 22770ML/day on 08/02/2011



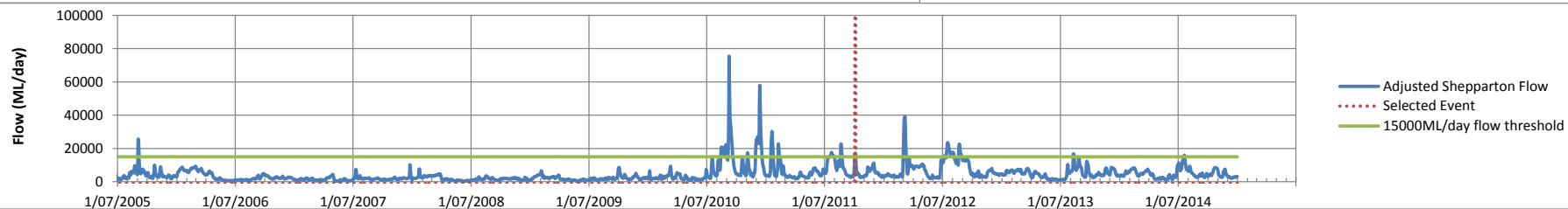
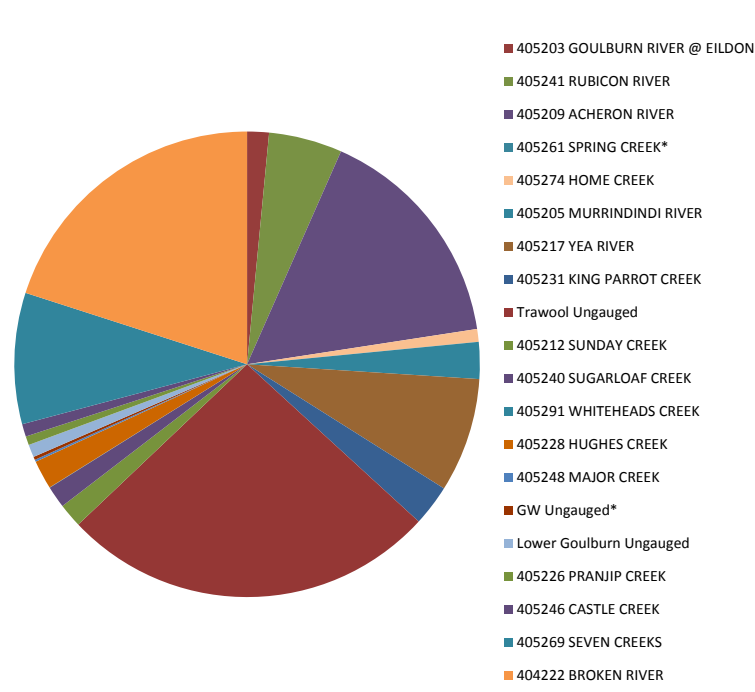
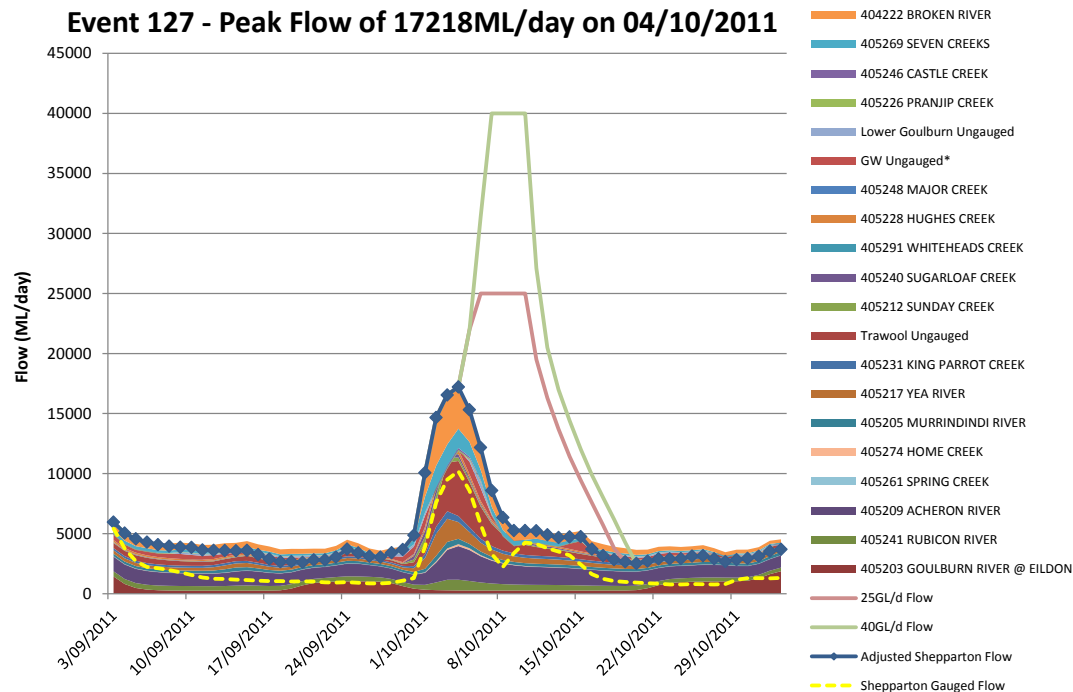
Event 125 - Peak Flow of 17653ML/day on 22/07/2011



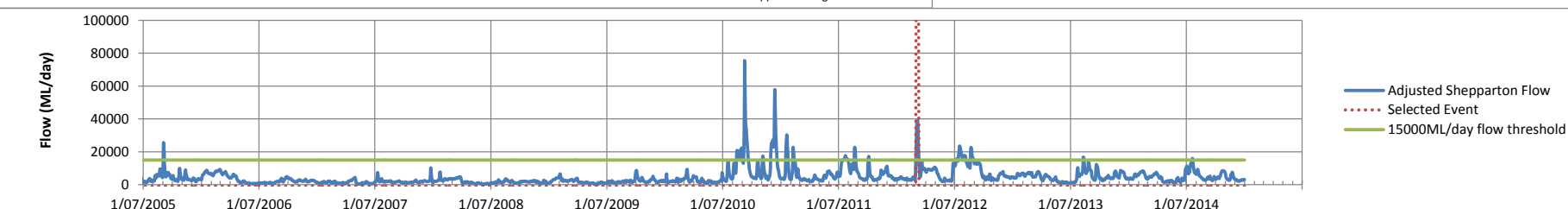
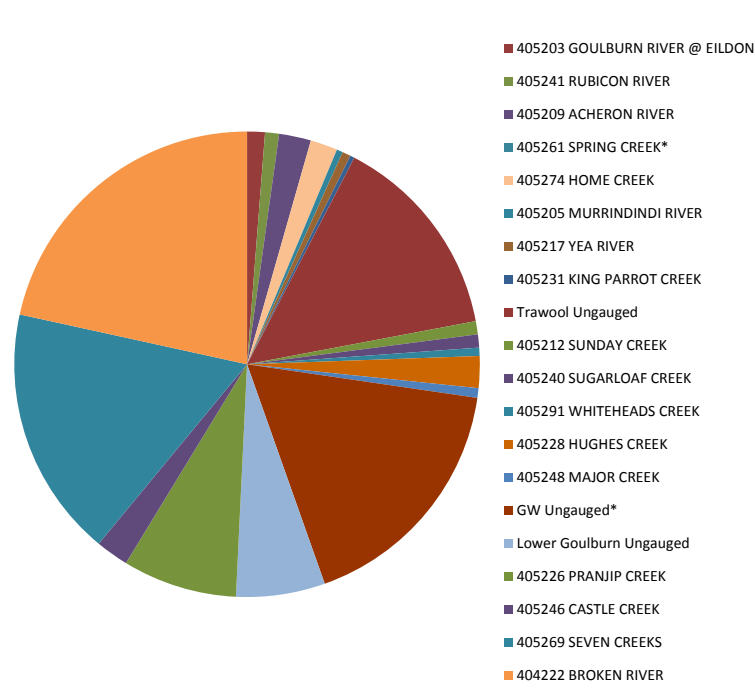
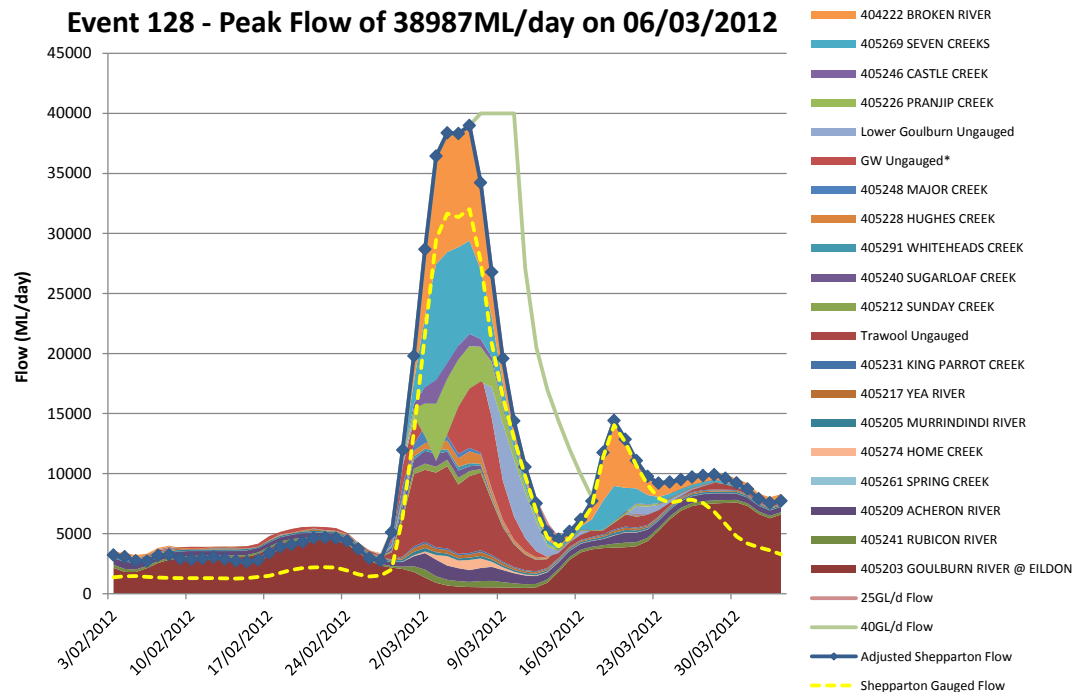
Event 126 - Peak Flow of 22719ML/day on 21/08/2011



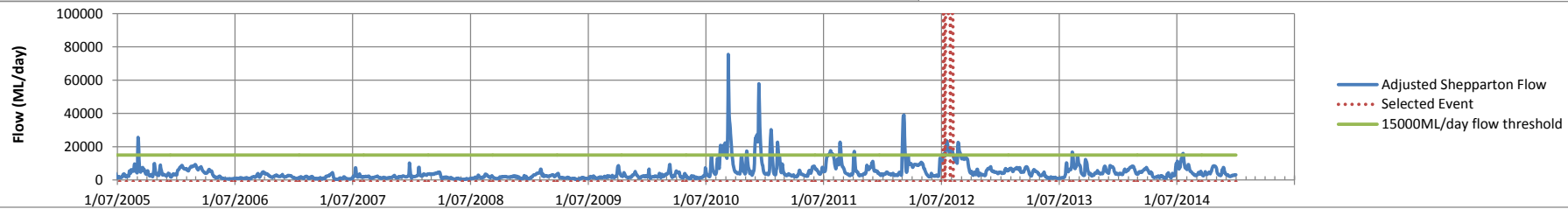
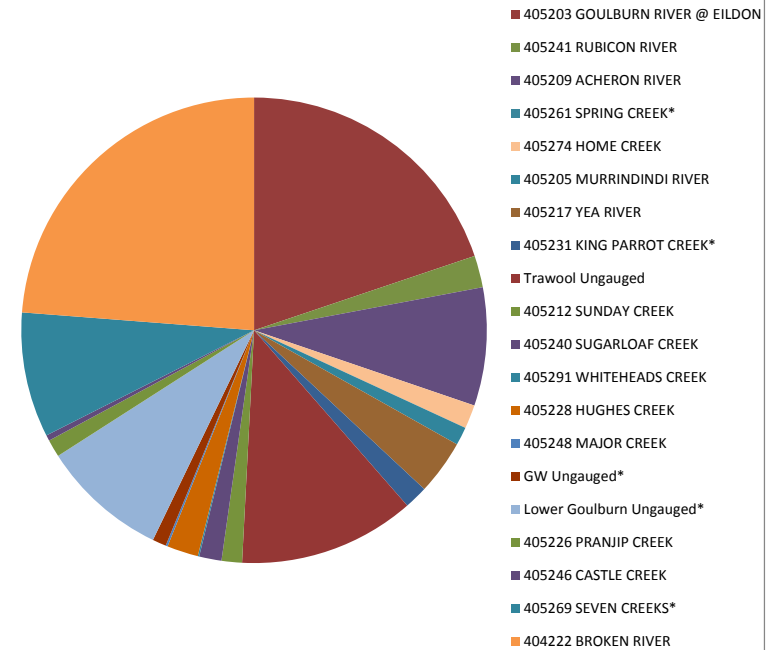
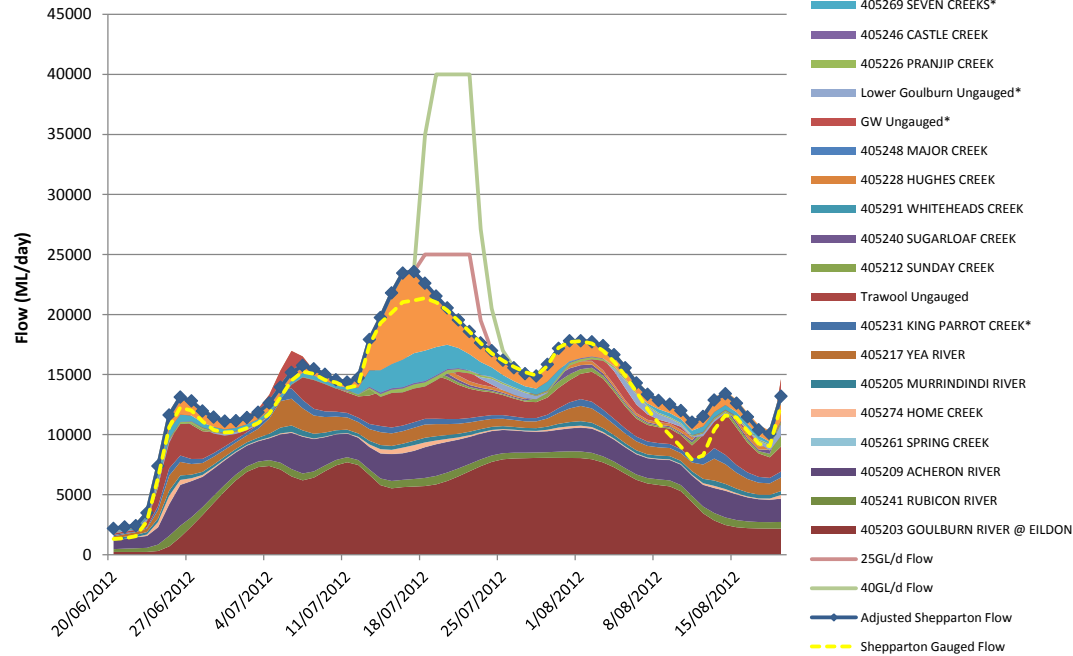
Event 127 - Peak Flow of 17218ML/day on 04/10/2011



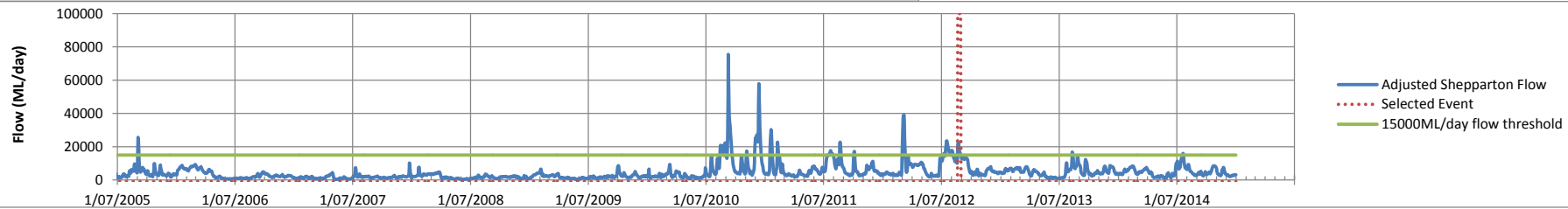
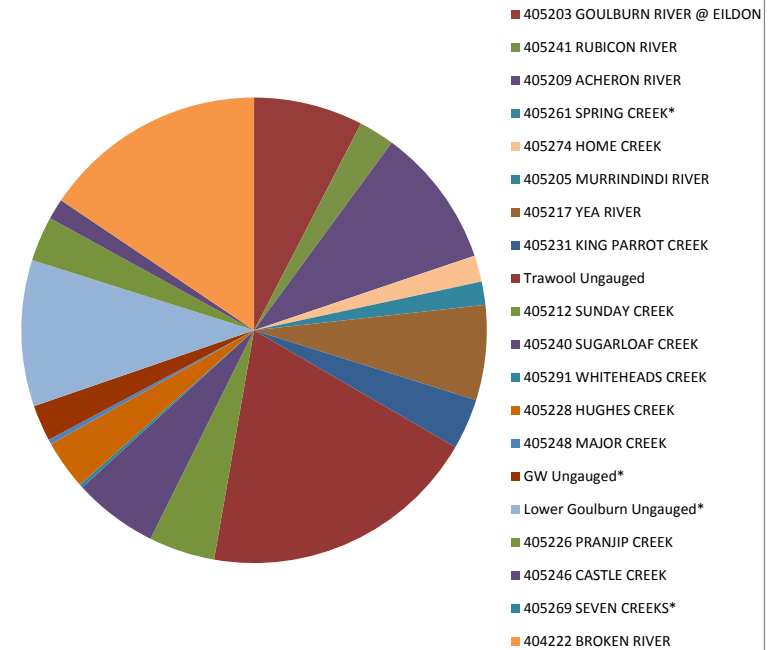
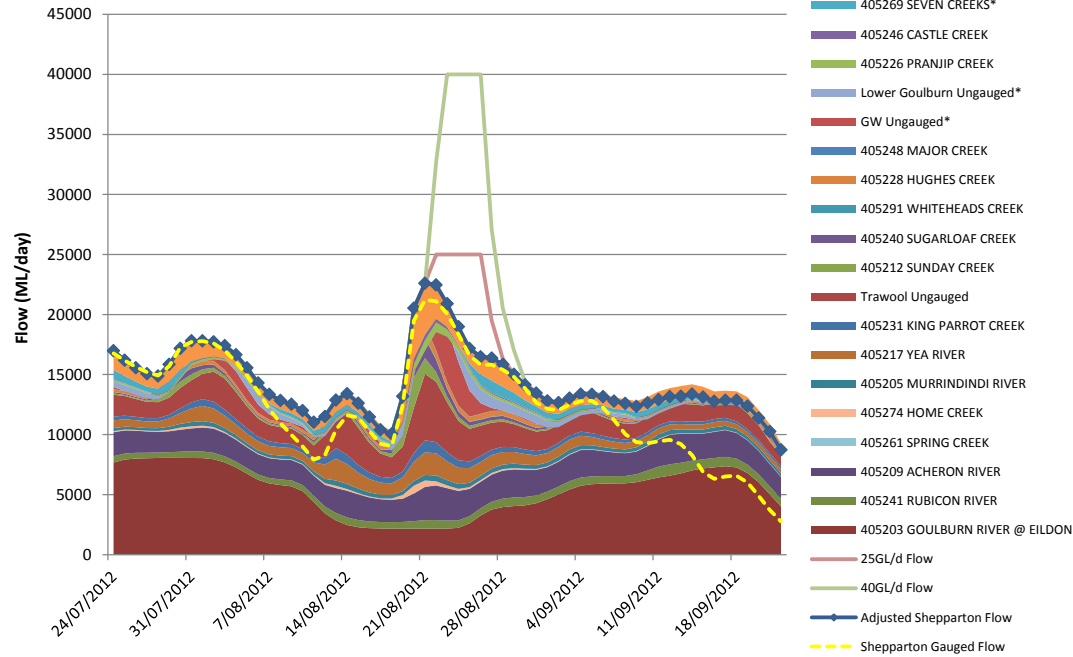
Event 128 - Peak Flow of 38987ML/day on 06/03/2012



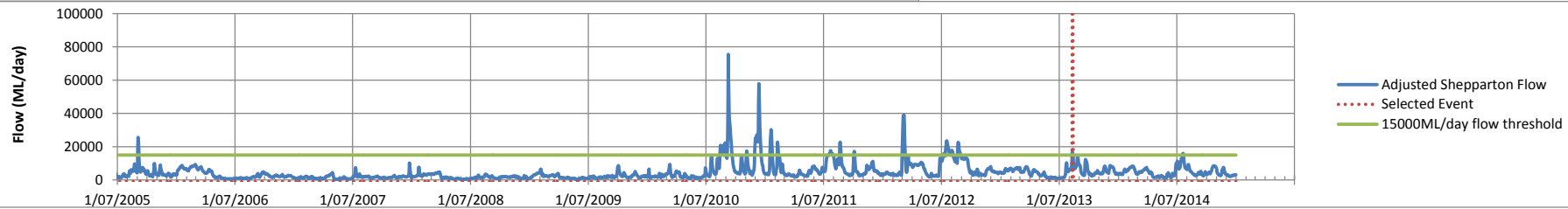
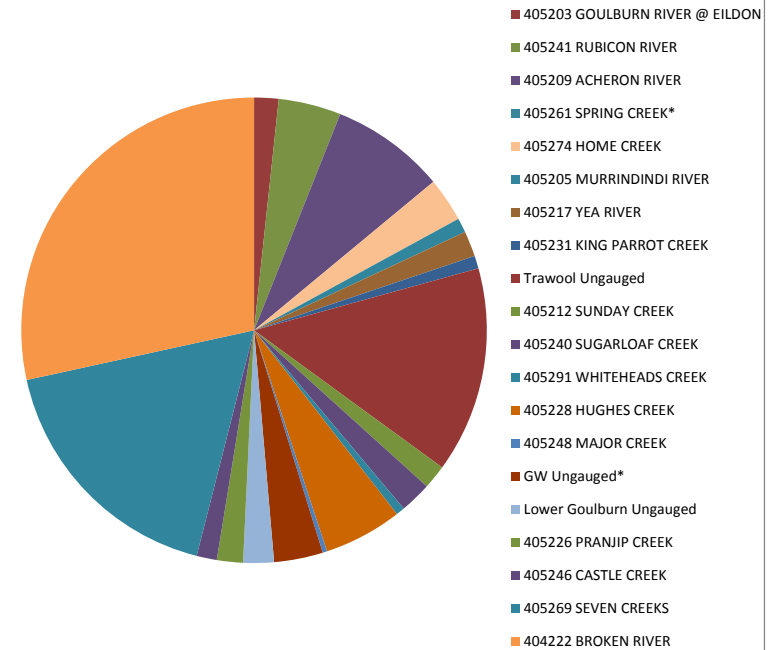
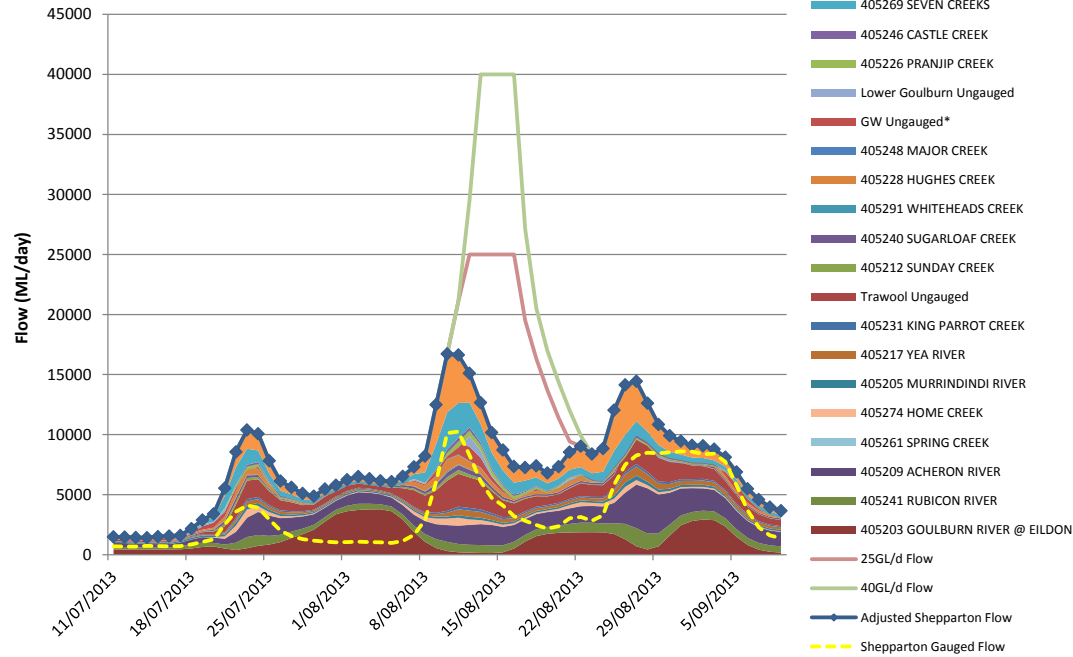
Event 129 - Peak Flow of 23576ML/day on 17/07/2012



Event 130 - Peak Flow of 22604ML/day on 21/08/2012



Event 131 - Peak Flow of 16719ML/day on 10/08/2013



Event 132 - Peak Flow of 15998ML/day on 20/07/2014

