

Re: BDL, SDL discussion 3pm

From Andrew Brown
To: Linda Holz
Cc: Michael Sugiyanto, Perlita Arranz
 Marina Sivkova, Dushmanta Dutta, Richard Beecham
 Andrew Davidson

Date: Mon, 20 Aug 2018 00:43:45 +0000

Thanks Linda for doing the bulk of the work on that page. I have been through it now and made a whole bunch of changes. An overall comment is that I think language is creating confusion here. We need to be able to mentally separate between a BDL number, and a BDL definition, and a BDL scenario. Similarly for SDL. The definition is a word based description of what **should** be in the scenario. The scenario is the part where you apply the "best available information" test and make a whole lot of assumptions about how to interpret the definition. You are turning the **should** into what can actually be achieved. This is the part that will be most fractious for us because pretty obviously every man and his dog will have an opinion so we will need to ensure we have enough paperwork in place that it boils down to your expert judgement vs theirs, and we will win out on most of those. When you press go on all that, you get a number, the BDL itself, but you also get a reference scenario to use for some other parts of the Basin Plan that require comparison of outcomes. For the specific suggestion:

- For valleys that had a WSP in place on 1st July 2009: BDL = Plan Limit scenario, or equivalent. This means that another reference year for development can be used, however only if this scenario results in long term diversions being equivalent to the plan limit.

The BDL scenario can be the plan limit scenario if that is your best run to represent the totality of what you understand about 2009. At least one valley has a scenario in existence with WSP rules and actual 2009 development conditions with reduced diversions compared to WSP plan limit. It is perfectly acceptable to take that scenario and simply scale up the diversion number to match the WSP plan limit number because our rule is that we would take no action until the plan limit is breached.

Keep in mind that Basin Plan doesn't specify "a model", it asks for a "a method". A model can be a method, and a model + post processing can also be a method. A single estimated number obtained with the random number generator on your calculator can also be a method. Andrew

Andrew Brown | Principal Modeller, Water Modelling
 NSW Department of Primary Industries | Water
 11 Farrer Place Queanbeyan | PO Box 189 Queanbeyan NSW 2620

W: www.water.nsw.gov.au | www.dpi.nsw.gov.au

On Mon, Aug 13, 2018 at 5:12 PM Linda Holz wrote:

Hi all,

I had a crack at updating based on our discussion (though did not capture some valley specific details which I will leave to others).

<https://nswwmmi.atlassian.net/wiki/spaces/WMM/pages/646938865/BDL+and+SDL+Modelling+Requirements>

I have put this as a working definition of BDL. I have also included the exact words from planning assumptions report and also a summary of what has gone into each BDL model submitted to SAP. What do you think of this as a definition?

- For valleys that had a WSP in place on 1st July 2009: BDL = Plan Limit scenario, or equivalent. This means that another reference year for development can be used, however only if this scenario results in long term diversions being equivalent to the plan limit.
- For valleys that did not have a WSP in place on 1st July 2009: BDL = conditions at 2009, as long as this complies with the CAP.

cheers,
Linda

On Mon, Aug 13, 2018 at 11:56 AM, Linda Holz

wrote:

link here:

<https://nswmmi.atlassian.net/wiki/spaces/WMM/pages/646938865/BDL+and+SDL+Modelling+Requirements>

On Mon, Aug 13, 2018 at 11:48 AM, Linda Holz

wrote:

Hi all,

Brownny has created a 1hr TRG meet this afternoon to discuss BDL definition. I also have some questions on how we get to an SDL scenario and what our reporting requirements are which I am hoping we can discuss. I have put these questions on confluence. Feel free to edit the page to add any further questions you may have. I have included a bit of a summary of what was noted in the BDL reports for each valley re. levels of development in the BDL scenario. I thought this may be useful for our discussion on definitions. Feel free to add reference to any other docs etc.

cheers,
Linda

--

Linda Holz | Lead Modeller | Water
Lands and Water
Department of Industry
Macquarie Tower, 10 Valentine Avenue, PARRAMATTA NSW 2150

W: www.industry.nsw.gov.au/water

--

Linda Holz | Lead Modeller | Water
Lands and Water
Department of Industry
Macquarie Tower, 10 Valentine Avenue, PARRAMATTA NSW 2150

W: www.industry.nsw.gov.au/water

--

Linda Holz | Lead Modeller | Water
Lands and Water
Department of Industry
Macquarie Tower, 10 Valentine Avenue, PARRAMATTA NSW 2150

W: www.industry.nsw.gov.au/water

This message is intended for the addressee named and may contain confidential information. If you are not the intended recipient, please delete it and notify the sender. Views expressed in this message are those of the individual sender, and are not necessarily the views of their organisation.