

From: [Michael Chotkowski](#)
To: [Matt Nobriga](#)
Subject: Re: heard you were looking for me...
Date: 07/11/2012 05:26 PM

Hey Matt - no worries. I have been cogitating over what you said earlier. As best I can surmise, the biggest problem we face at the moment is lack of time. The best approach, it appears to me, is to devise a simple population growth objective that can be phrased in terms of YOY abundance and previous abundance and that applies while abundance is below the recovery criteria.

I hope you can spend some time with me tomorrow writing up such an objective, and joining me in meeting with Carl at 2:30 PM. I think we should agree to tee up a more detailed analysis of flow effects later. Not much upside to getting stuck on the issue now, if the state agrees to directly commit to the result that is desired.

Mike

-----Matt Nobriga/R8/FWS/DOI wrote: -----

To: Michael Chotkowski/R8/FWS/DOI@FWS
From: Matt Nobriga/R8/FWS/DOI
Date: 07/11/2012 03:33PM
Subject: heard you were looking for me...

Mike,

I had taken a break to get coffee with my wife. Sorry I missed you. I had a revelation while out. The D-1641 X2 standard came after the 1976-1977 and 1987-1994 droughts. Those flows seem high enough to keep the population going in the post clam models - so the news probably wasn't as bad as I initially thought. That would still be contingent on not having too frequent offramps for droughts.

Matt