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Attachments: [Copy of ESPAMPotential Improvements Round2 cmb.xlsx](#)

Allan

Attached is my ballot for ESPAM2.2 refinements. I've not considered anything that's already marked "done" or "will happen."

There are a few things on this list which I think are very important to do, but which may realistically fall into the category of ESPAM3 refinements. The first of these is conversion to MODFLOW-USG; I believe this conversion would make several other important things on the list, like grid refinement, multiple layers, vertical anisotropy, and better representation of local geology considerably easier. The second is to calibrate the model with an unconfined layer type; I don't know that USG makes this any easier. Finally, I think a detailed seepage study of the Milner-King Hill reach is in order; this is a large undertaking and is not really a model refinement, though it leads to recharacterization of baseflow calibration targets.

I've filled out the list with my top ten priorities assuming everything is on the table for ESPAM2.2, including everything mentioned above. If MODFLOW-USG, unconfined calibration and a seepage study really are ESPAM3 refinements and should come off this ESPAM2.2 list, then I'd bump up my remaining priorities and add tributary inflow updates, modeling largest canals as STRs and more comparisons with local observations of flow paths and gradients as priority numbers 8-10.

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