

PMTurkeyCOLPEm Resource

From: Sarah_Bellmund@nps.gov
Sent: Thursday, February 24, 2011 6:20 PM
To: Kugler, Andrew
Cc: grossc@miamidade.gov; pamela.sweeney@dep.state.fl.us; skrupa@sfwmd.gov
Subject: questions about the groundwater model

Andy,

The Uprate Monitoring required a topographic (hydrographic) survey of the cooling canals and interceptor ditch. This data is not included in the current model. The new data shows that the grand canal and at least one other canal shows that they are deep enough to intersect the upper flow zone and are significantly different from the conceptual model that they show. So your question was very good. The answer is that they do not have the current data nor have they included it.

What is the contribution from Biscayne Bay broken up into? How much water is groundwater and how much is bay water drawn down into the wells? How much comes from which direction from below the wells above the wells and east, west, north or south laterally?

Also it seems if you can change the hydraulic conductivity by doubling it or halving it and only see a change from 95-99% of water from the bay that perhaps the model is insensitive to this type of review and it is not set up to look at where the water is coming from.

There is documentation of collapse's in the bottom of the Bay from lateral drilling. It is mentioned in our SCA comments. There was an event in north Biscayne Bay in the Aquatic preserve. I will try to find the info to send you.

I'll try to talk to you next week.

Sarah

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Hearing Identifier: TurkeyPoint_COL_Public
Email Number: 267

Mail Envelope Properties (OFC127F8CD.69D36B74-ON85257841.00676DA8-85257841.00802DFE)

Subject: questions about the groundwater model
Sent Date: 2/24/2011 6:20:03 PM
Received Date: 2/24/2011 6:21:51 PM
From: Sarah_Bellmund@nps.gov

Created By: Sarah_Bellmund@nps.gov

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Post Office: nps.gov

Files	Size	Date & Time
MESSAGE	1446	2/24/2011 6:21:51 PM

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