

Shafii, Mo

From: Shafii, Mo
Sent: Monday, February 27, 2006 2:04 PM
To: Singleton, Bob
Subject: RE: EDCC EQ Basin Temperature Study (follow up question)

What is the next step. Do you need to go to PN or what?

Thanks

Mo

-----Original Message-----

From: Singleton, Bob
Sent: Monday, February 27, 2006 12:43 PM
To: Shafii, Mo
Subject: RE: EDCC EQ Basin Temperature Study (follow up question)

That's ok.

-----Original Message-----

From: Shafii, Mo
Sent: Monday, February 27, 2006 11:35
To: Singleton, Bob
Subject: FW: EDCC EQ Basin Temperature Study (follow up question)

Bob;

What do you think about the response to your request.

Thanks

Mo

-----Original Message-----

From: Shon Simpson [mailto:ssimpson@gbmcassoc.com]
Sent: Monday, February 27, 2006 11:07 AM
To: Shafii, Mo
Cc: Vince Blubaugh
Subject: EDCC EQ Basin Temperature Study (follow up question)

Mo, I apologize for not getting back to you quicker regarding the selection of Captain Black Lake for comparison purposes with the EDCC EQ Basin. I understand from previous conversation that my email of February 7 (below) satisfied the questions that you posed in your letter of February 2, 2006 to Vince. The remaining question was why a Red River oxbow used instead of one along the Ouachita River. The reasons for use of Captain Black Lake were: (1) It was of generally similar morphology as the EDDC EQ Basin. The EQ Basin is approximately 2500 ft. long and 1000 ft. wide at its widest point, generally covers 50 acres and is 4 ft. deep in its shallow end and greater than 10 ft. deep toward the dam. Captain Black is slightly larger at 59 acres, is approximately 3000 ft. long and 1200 ft. wide at its widest point and was also 4 ft. deep in its shallow end and greater than 10 ft. deep. (2) The two waterbodies are near the same latitude, and probably most importantly, (3) Captain Black Lake is on private property with a locked gate. Without control of access to the lake we could not assure that the study equipment that collected

the data for the project would have survived the study, or even a small portion of it. Because the temperature probes had to be suspended from the surface, (to maintain consistent measurement depth) the floats used to suspend the probes were highly visible and it would have not been possible to maintain the devices in an uncontrolled situation.

Although we did not conduct an exhaustive search, we were not able to match the attributes of Captain Black Lake as a control condition for the EDCC EQ Basin. Therefore, it was selected as the control lake and was included by name in the Workplan approved to conduct the study.

Please let me know if this satisfies the remaining question on the study. Thanks Shon

>>> "Shafii, Mo" <SHAFII@adeq.state.ar.us> 2/8/2006 4:11 PM >>>

Shon;

FYI

-----Original Message-----

From: Singleton, Bob
Sent: Wednesday, February 08, 2006 15:18
To: Harmon, Jennifer
Subject: RE: EDCC EQ Basin Temperature Study

Although we don't sample that lake as a part of our lakes assessment, it would have the same designated uses as the other lakes in the state, with the same water quality protection mechanism. Why did they do a study on a Red River oxbow, and not one along the Ouachita River, where EDCC is located?

-----Original Message-----

From: Shon Simpson [mailto:ssimpson@gbmcassoc.com]
Sent: Tuesday, February 07, 2006 4:41 PM
To: Shafii, Mo
Subject: EDCC EQ Basin Temperature Study

Mo, good questions on Captain Black Lake. We don't have much information on the lake ourselves. The latitude / longitude we gave you guys was off. Look again at Latitude: 33° 13' 25", Longitude: 93° 42' 30". The directions provided in the report (10 miles south and 7 miles west of Lewisville) are accurate. The lake is an old oxbow, formed in the late 1940's by the Red River. I have attached a satellite photo that should give you a good look at the configuration of the lake. Captain Black Lake is the larger lake in the middle of the photo (the water appears dark). I will also check our field records but doubt that we have much depth data since physical measurements of the lake and EQ Basin were not included in the workplan. I will check our field notes and put together any additional information we have on Captain Black.

As far as designated uses of the lake that is probably a better question for your water quality standards people.

Shon Simpson
Principal/Senior Project Manager
GBMc & Associates
219 Brown Lane
Bryant, AR 72022
ssimpson@gbmcassoc.com
501 847-7077