

LaFave, LaVonne

From: Hefty, Russ
Sent: Wednesday, April 06, 2011 7:51 AM
To: Briski, Kevin
Cc: LaFave, LaVonne
Subject: FW: Cherokee Park instrumentation
Attachments: EM50-HERO1.jpg; weather_station.jpg

Kevin,

Here is the request and supporting materials for the Cherokee Marsh Project. Eric Booth would like to appear at the April Park Commission Meeting.

Thanks
Russ

From: egbooth@gmail.com [<mailto:egbooth@gmail.com>] **On Behalf Of** Eric Booth
Sent: Monday, April 04, 2011 10:16 AM
To: Hefty, Russ
Subject: Cherokee Park instrumentation

Dear Russ,

I am a research specialist at UW-Madison on a new project entitled Water, Sustainability, and Climate that is focused on the Yahara River watershed. More information about the project can be found here: <http://wsc.limnology.wisc.edu/>

As part of the project, we need to monitor soil water conditions in order to quantify the water cycle in several different land cover types. Cherokee Park is of particular interest to us because they each contain three land cover types of interest (wetland, grassland, and forest). For each land cover type, we are interested in installing a soil moisture station that includes 5 small below-ground sensors and an above-ground datalogger that communicates with our database over the cellular phone network. In addition, we would like to install one 3-meter tall weather station to monitor rainfall, air temperature, relative humidity, incoming solar radiation, and wind speed. The location of the weather station would probably be in the grassland land cover type. Example images of both the soil moisture station and a weather station are attached.

We realize that this is not a small request and we would work hard to avoid any potential inconvenience to the city of Madison and the users of the park.

Please let me know what you think and I would be more than happy to answer any questions you may have related to the instrumentation or the project in general.

Thanks so much.

Sincerely,
Eric Booth

Eric Booth
Ph.D. dissertator
Limnology & Marine Science
Civil & Environmental Engineering
University of Wisconsin, Madison
<http://homepages.cae.wisc.edu/~booth/>



