

MEMO



To: Tom Hayes
From: ACWQ
Date: 7-March-12
Re: Proposal 22-February-2012

Message

As discussed in our emails concerning the proposal here are our updates. For the buffer layer we are going to utilize the 100-300 feet either side of stream centerline, as delineated in COA shapefile. We have eliminated the research on pavement longevity from the project and instead are focusing on impervious cover. ACWQ does not have access to the appropriate data to determine canopy height from the DEM data.

To summarize, the objectives of ACWQ in the Austin Tree-Canopy Resource, Phase II is to determine the percentage of tree-canopy within the buffer shapefile, and create a model, which will be able to be manipulated in the future, that will illustrate the cumulative watershed upstream of each water-quality monitoring station associated with each EII reach. Time permitting we will begin to clip each listed dataset (listed in order of priority) to the buffer layer and watershed area: Water quality data (total inorganic N, turbidity/clarity, water temperature), impervious cover, soils, habitat types, street and trail density, Toxic Release Inventory (TRI) sites, populations and housing density, and floodplain/priority woodlands. We will also clip by COA neighborhood boundaries.