

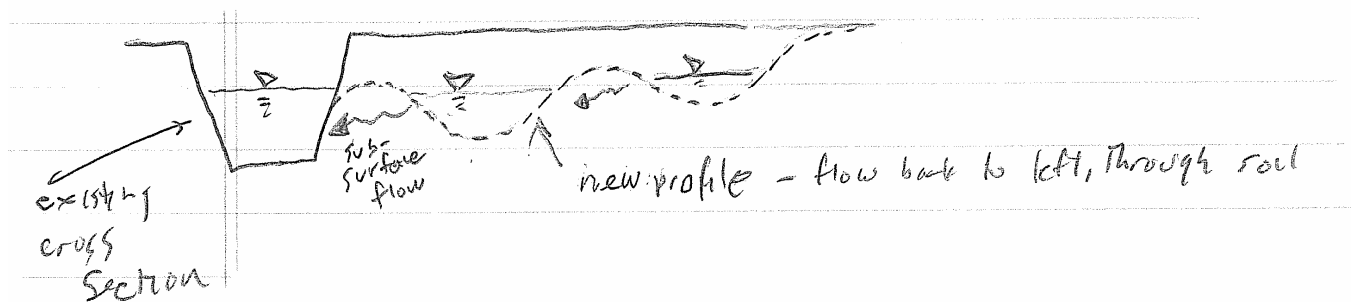
TMACOG WOLF CREEK COMMITTEE

Date: June 4, 2010.....Place: Oregon Municipal Building
Present: Hull: Keith Carr, William Petruzzi; **Oregon:** Don Nelson, Paul Roman, **UT Lake Erie Center:** Kris Barnswell, Daryl Dwyer, Pam Struffolino; **TMACOG:** Kurt Erichsen

This was a special meeting requested by Kurt Erichsen to discuss design details of wetlands and stream restoration projects in the Wolf Creek - Berger Ditch Corridor Restoration Plan, specifically in the City of Oregon, upstream of Maumee Bay State Park.

Daryl Dwyer opened the discussion of wetland design features needed for effective sediment removal and pathogen control; he stressed that subsurface flow is effective as a means of controlling pathogens.

Paul Roman suggested a possible profile involving overflow/sedimentation ponds connected by subsurface flow, such as this:



Kurt recapped points made by Hugh Crowell of Hull & Associates at the 5/12 Maumee Bay State Park meeting; that the purpose of the Oregon site would be to remove sediment, protecting the Maumee Bay State Park wetland from sedimentation, and allowing it to control pathogens through biological action. Hugh had recommended a large forebay settling area, designed to be accessible for ease of sediment removal.

Paul noted that there is not much fall in the area; it may be necessary to pump stream water.

Kris Barnswell discussed the results of stream data, which indicate a total annual stream load of nearly 4000 metric tons of sediment.

Discussion: what to do with the sediments once removed from the settling pond? There may be interest from landowners in accepting it on their property. Soil particle size and nutrient values are unknown; this sediment may have more agricultural value than Toledo channel dredgings.

Bill: The sedimentation ponds would be offline from the main channel, with only high flows diverted into it.

Discussion: Whether or not the seiche effect reaches as far upstream as Corduroy Road; it does get as far as the water treatment plant. There was discussion of whether seiche flow should be introduced into the settling forebay; Oregon and Hull recommended against it.

Daryl: How long to design, to construct?

Paul: Design and permitting: two years; construction: one year. Provided funding was available, 3 year overall is best case scenario.

Daryl: UT may be interested in serving as lead agency for both sites, contracting out specific functions such as design and construction to local jurisdictions or consultants.

Kurt: Willing to put that as a recommendation of the report due to ODNR by the end of the year, provided UT/City and UT/ODNR agree to such an arrangement.

Bill: Hull & Associates will follow up with contributions to the report as discussed at previous meetings. Request that TMACOG delete the oxbow channel from the Maumee Bay State Park site plan; it would simply be a multi-level terraced area and not change the stream channel itself.

Kurt: Agreed to do so. Regarding report: it is presently due at the end of September, but we will need and request an extension from ODNR. Intent is to get a complete drafty before the full committee as soon as feasible, and revise/reach consensus for implementation. Plan in preparing a site plan for the Oregon (upstream) wetland similar to the one of Maumee Bay State Park in the current draft. Will add conceptual cross-sections to each.

Next Steps

- Continue to revise the report base on discussions at this and the May 12th meetings
- Kurt will review potential funding source inventory with Jenny Cornell
- Schedule next full Wolf Creek meeting

Adjourned.