

## Oregon Country Fair LUMP committee minutes 10/15/14

Thom Barr, Bear Pitts, Anna Scott, Rachel Burr, Jason Kelley, Dennis Todd, Shane Harvey, Jain Elliott (scribe). Paxton Hoag, Joseph Newton, Gene Ehrbar, Steve Wisnovsky on Go-to-Meeting.

May minutes including several letters were circulated.

### Reports

Gray water project: successful as an experiment, says Dennis. We got meaningful results. For 10 days before the Fair, we took water from the disposal sump at the screen kitchen at Alice's, and passed it through two mycofilters (100 gallon stock tanks filled with wood chips inoculated with fungus) well-colonized at the acceleration phase of their growth curve. Had a great crew of students from OSU & LCC & some knowledgeable about fungi local people. Ran pump from noon to six every day, on & off for 15 minutes. Fungal beds were able to accommodate our maximum flow without clogging. Took samples using sterile techniques from the incoming water, and run-off from 1<sup>st</sup> & 2<sup>nd</sup> filters, kept them on ice, plated them on agar plates, counted *E. coli* colony forming units. First sample (just well water) zero *E. coli* at all parts. After that, high *E. coli* at all 3 points. Mycofilters did not serve to capture *E. coli*. May have increased clarity, decreased sediment load. Will need to change either the fungus we're using or how we culture it, hope to run it again this year. Very challenging because the water was very greasy and soapy.

This cost \$840, says Paxton, way under budget. If we'd used shower water we may have seen different results. Wants to try 4 foot square tubs, ours were a little undersized. Great crew. Filters still alive—wants to dissect the bad one, re-start culture in the good one.

Ja Schindler & Dennis also have some expenses to submit. Not more than a couple hundred dollars for agar plates.

Ja uses a different kind of fungus for storm water run off, says Dennis. They kill it before they use it; they bake it, because a living fungus contributes to the biological oxygen demand in the outflowing water. Their focus is heavy metals. Theirs is very dense—ours might have been too coarse, let the water flow through too rapidly. Our residence time was probably no more than 10 minutes. But it has to keep flowing, since Main Camp Kitchen needs to accommodate 4000 gallons a day. Anna—we're looking at a combination of composting techniques & myco-remediation. Getting something stabilized so we can move it around might be one of our goals. Committee should support this work under improving water quality goals.

Dennis--another goal is reducing what we send on gray water disposal. We can dispose of it on our property if we get the *E. coli* down. We can use bleach, which we'd like to minimize. If we can reduce the soap & grease and some of the *E. coli* we could oxidize in the tank, and then use it for dust control in non-public areas and be OK with the DEQ.

Jason—one of our biggest successes was getting students from two different schools involved, big impact on their learning process.

Maybe next year we should do two experiments—one shower & one kitchen.

Paxton will make the board report for LUMP in November.

Jason reports on the 30 minute mapping subcommittee meeting earlier this evening. Update on LIDAR coming out relatively soon, says Shane. We want to set up a benchmark system for surveying, & decide on a platform system, probably ESRI or Google. Jason will send out info to folks who want to work on a proposal. Bear wants a base map to use for the Peach Pit. Budget time is November, says Paxton, but we don't need hard figures yet. Jason doesn't think technical concerns or costs should be slowing down the projects—they won't be complicated (technical concerns) or large (costs.) Identifying leadership, participants, & users should be the first step. It's all about communication and collaboration, not technology. No point in spending money on technology if we don't know who's going to use it. Doesn't want the purchase of a computer or software license to keep us from making progress—it's getting us together that's going to move it forward. We already have lots of resources. Gene wants to bring people together at a Hack-a-thon this winter and start building stuff over a weekend.

#### Work plan

We made a priorities sheet last spring, and got the following scores: LUMP manual revision 23, maps 17, green zones 17, work plan 16, stewardship (display in Crafts Lot bubble) 15, OSU report review 13, ponds 12, Long Tom Watershed Council 9. Anna thinks this is real progress!

Anna would like to see a chart with column headers (convener, membership, priority, timeline, cost, resources needed, organizational hurdle, & outreach opportunities) with our ranked items for our next meeting. Rachel & Dennis will work on that. We can start filling it in next month.

Anna thinks not all subcommittees need to be working at the same time. We should start with the ones with the board mandates. Long Tom Watershed might just need a representative, says Dennis. OSU report—maybe 2 people could read through that, summarize it, and bring it back. Stewardship is done. Green Zones maybe 2 or 3 people work on that, bring it back to this group. Maps & Ponds are long term. Rachel and Steve are interested in Ponds. Anna wants our matrix to capture all this info.

Bear's been asked to review the River Loop segment study for Path Planning, which turns out to be about 40% of the original 8, from Jill's Crossing to the Far Side bridge. Would like LUMP involved. Will send or bring us drafts.

Shane's staff report: Culvert at Despain lane was damaged just before this Fair when heavy equipment drove over it. Charlie & Shane are working with the Long

Tom Watershed Council to have someone come out & inspect all the culverts. The one at Despain Lane has a rusted-out bottom.

Started working on a permanent Far Side bridge in a different site from the temporary one. Tim Wolden, says Dennis, designed one years ago. Rail car bridges, say Dennis & Anna, won't work. Shane's talked to people who've said they might. Tim's design didn't require footings, says Dennis. Jason's current job is designing culverts & bridges in Oregon. Shane is pleased. Ann from Archeology will work on helping get approval.

Next month's agenda:

Approve May & October minutes

Reports

- River Loop from Bear

- Map subcommittee

- Report from board liaison

Work plan matrix

- Assign subcommittee conveners