

7 February 2008 MCWC Council Meeting Notes

Meeting: introductions were made, the meeting will be recorded

Recorder's Report (Rennie Ferris): one action passed Long Tom Trib USFW coastal program

Treasurer's Report (Jan Christensen): \$52,000 in the bank

LIDAR: Watershed planning applications: (Ian Madin)-state geologist

Google: Oregon lidar consortium www.oregongeology.com for contact info

A partnership to image and measure Oregon's natural and built environment.

Accurate laser rangefinders are commonly used as surveying instruments, measuring tapes, rifle scopes, golf aids. Millions of very precise laser ranger measurements are made from a precisely located aircraft, producing an accurate and detailed three dimensional map of the earth's surface, as a "point cloud". LIDAR has such a very high point density that forests disappears-and the geology remains to view. Multiple returns per pulse add detailed 3-D image of vegetation and structures- canopy to ground.

Blue is low elevation and red is high elevation in the point cloud.

Digital ortho can be correlated to point cloud-power lines appear

There is also a highest hit grid photo, this builds a footprint and height and an intensity image like a black and white photograph: incredibly accurate and shows highway center line. Arcuate? Patches show (landslides), virtual deforestation shows the lines and shows the terrain and slope shape image. This process shows the landscape then without the trees and huge landslides, etc. show. Floodplain details, channels, wetlands and land use show up. Cross sections can be drawn from the data and show clearly the floodplain areas and banks. Subtle topography shows: it shows 6 feet elevations very clearly: white to dark blue and reds are low in this photo: details of 2 feet deep and 500 feet across. LIDAR can accurately locate and profile streams, finding potential barriers and showing gradients, shows culverts and places where the stream goes uphill. Change analysis from baseline data for dam removal, for example can compare changes one year to the next for the exact spot. Can assess effects of sea level change on estuaries so can simulate sea level rise. It can assess the shade effects of individual trees along riverbanks. It can assess if a specific species can get the shade you need and the effects of removal or planting of one tree.

What you can do with LIDAR?

- Find land estimate fills and cuts

- Find stream channels, measure gradients

- Measure the size and height of building, bridges

- Locate and measure every tree in the forest

- Characterize land cover

- Model floods, fir behavior

- Locate power lines and power poles

- Archeological investigations

- Wetland and impervious surfaces

- Watersheds and viewsheets and more

Have surveyed 3000 square miles, want to fly nominal inhabited area about 17,000 miles, strong support from coastal legislators, relatively small amount of funding requires prioritization

Cost is \$400-500 per square mile

Survey blocks need to be large and contiguous

Surveys need to be anchored by funds from partners

DOGAMI funds will be used to complete and enhance anchored surveys

South Coast Block example: BLM, ODFW and Coquille tribe funded

6th order watersheds and Hwy 101

1500 feet is covered with each pass

Software used is GIS mapinfo and ARCinfo and forest service software that's free
Points come from vendor showing structure, tree, land then analysis needs to be done.

DOGAMI is looking for funding partnerships in several potential map areas. They are negotiating websites so that the data will be available free to the public.

Spring 2009 should be north coast so commitment needs to come through fall 2008, 2008 probably they'll fly Willamette (BLM will bid with a local match)

Need funding to do Central Coast Can fly 200 square miles per day or per night

They want to do tsunami information with the data

Principal Data Specifications: greater than 8 pulses per meters squared

- Greater than 4 returns per pulse

- 50% swath overlap for complete double coverage

- Quality control for all data provided by the vendor

- Ground classified points in ESRI shape format

- Intensity images

- Partners get data as soon as they get it

- Simple views will be on DOGAMI lidar website

There are many advantages of a consortium

- Consistent data quality

- Large contiguous surveys

- Requires no expertise of participants

- No contracting hassles for participants

- Lower cost through large area

- Advantageous for partners with small areas of interest

Technical Team Report: no report this month

Break 8:00-8:05

Elections officers, at-large: The ballots have to be turned in sealed envelop with signature on outside: poll committee: Kip, Mark counted the votes

One ballot was empty

At Large: Anne and Jennifer, Wayne is alternate

Presentation of Annual Report: Change in report in financial report. We didn't know when the audit would be complete. Now the audit is completed, there is an audited financial statement that is different from the provisional one. \$248,000 in-kind Some income was reclassified: mitigation monies were called grant monies by auditor
Income: \$996,475, Total expenses: \$1,062,143, Wayne pointed out highlights of report. The audit showed no problems with the way we handle money.
The report will be on the website soon, with color pictures.

Basin Planning Team Reports: Siletz report Don Larson, the Siletz River cleanup is planned for April 5th, 9 am meet at Hellahee Park by Bridge with picnic chili and hotdogs and pop. City of Toledo and City Council and County Commissioner has sent letter to Marine Board to remove motorized boats above____, McMinnville NW Steelheaders are on board too. Winter and summer hatchery program on the Siletz for Steelhead. ODFW changed the numbers without public input, reduce summer 15000 and increase winter. Numbers stayed the same but seasonal changes. OAR rules weren't followed nor were biological issues addressed. There are more strays than they said they should have. Summer is more bank fishery by locals and winter is more boat and guide fishery so the changed favored one over the other. Ed Bolles was written a letter by Wayne Hoffman on behalf of Siletz. So then Wayne wrote the director of ODFW, requested public input meeting. Port of Toledo is going to meet in Siletz this month, so we're planning a joint meeting.

Yaquina Meeting: Jan 23rd meeting. Steve Trask and Mary Holbert, night snorkeling. Limiting factors analysis on Yaquina this fall will be shared

Salmon-Drift Watersheds Council Report: new fisher crew, hired 2 new working at Pixieland, clearing invasive, contract through LSWCD added some more work. Crowley Creek crew grant was put in with UFS coastal program. Habitat inventory grant Limiting Factors Analysis: Bear Creek and Salmon
Carbon sequestering: synergy group looking into this.

Rennie moved that the board authorizes the Council to act as employer for the Salmon

Drift fisher group. Seconded by Paul. Discussion Vote: OK by all Major grant awarded coastal 1.1 million dollars for lower Salmon River. Log placement, high marsh, etc. OWEB requires all permits for all pieces before the award. So we're splitting it into pieces so we can go forward with the parts that are permitted and can go forward toward the entire work.

Pixieland planting on Feb 23rd photos of what it used to be. 9:00 probably
DBR Knight's Park Salmon River Hwy 101 to Red Bridge, 9:00 May 17th

Tuesday the 12th is next meeting -John Spangler

Administrative Committee Report: Jan Christensen
Reviewed the financial report and reviewed the audit report. Suggested by OWEB that we do the full audit so we paid for it. Revising by laws and had a work session.

Education Committee Report: Electronic report sent out, longitudinal study began

Coordinator's Report: Jan 16, and 17 went to OWEB, OWEB will provide some mitigation help, \$20,000 for a process for a couple of day long workshops, all watersheds will be involved, OSU Extension probably will run them. Learn how to be an effective member of a watershed council. Can to get things done in a consensus environment. Mediated meetings to deal with any particular sticky points, difficulties, irritants. OWEB approved the restoration priorities for coastal Coho ESU (entire MidCoast region). Decisions need to be made at 6th field level, so data needs to be shared and maintained. When the report is at 5th field level it isn't as clear what the priorities need to be. OWEB agreed they should maintain the database.

Announcement: Presentation: Gardening in a Changing Climate: \$10 admission, 541-994-6338, Saturday, March 8th 10-4 Connie Hansen Garden 1931 NW 33rd Street Lincoln City, OR conniehansengarden@msn.com

Miami Timber view of Salmon River, no hatchery Coho, all on the same page (biologists). Lincoln City made some decisions with out including the timber company. Snorkel Survey and walk in survey OK

Adjourn 9:10 pm