

2021 Mar 18 Thursday  
15:05 U / 3:05 PM AZ+PT  
Transmit : 16:50 U

Charles Ormsby (Skip)  
State of Oregon  
US Congressional District 5  
<Clackamas County OR>

Subject: Ormsby Testimony Redistricting GIS Points + Delay Zoom 2021 Mar 18 Thur 17:30 U  
<Testimony by Zoom Delay on Oregon 2021 Redistricting Plan/Concepts>

Lindsey Caudle - OR Legislature 2021 - 84th Session Staff Report  
Thanks for taking my call about testimony delay  
circa 15:00 U / 3:00 PM PT  
So that I can get / share this critical data issue with  
LOBC (2021-2022) below

Jennifer Waverly - LO Budget Committee (LOBC) Staff Report  
Please include on LO Budget Committee Meeting scheduled  
for same date and time.

See bottom of email for critical links to dam hazard  
area on Willamette River in Vicinity of  
City of Lake Oswego Foothills District  
at about Willamette River Mile (WLRM) WLRM\_020.3

Gist of testimony:  
For critical points in Oregon to be determined by  
some means if and when possible,  
applied to US Congressional District  
Boundaries. Some (very limited set from perspective in  
State of Oregon) points in a boundary line in  
my opinion needs to be associated in a  
1-1-1-1-1-1-1-1 implies eight items (8)  
correspondence list for the  
following list attributes.

1. River miles, notably Willamette River  
<Prime physical boundary for jurisdictions,  
elected districts, service districts etc.>  
Example on Willamette River Salem OR  
WLRM\_084.0 , at approx bridge(s)  
Important See Attached file 02  
<Text file list of 1-1-1, River Miles, lat / lng (decimal), and plus code>  
filename:

[rmiles\\_will-clack-tual.pdf](#)

2. USGS Quadrangle Maps, 7.5 min series

<At Oregon latitude(s) approx grid is  
w x h, 6 miles x 9 miles>

Example Issue:

Where is Detroit Dam (Reservoir) relative to  
downtown Salem OR?

Willamette River Mile (WLRM) WLRM\_084.0

Needed because of catastrophic flooding if  
dam is breached by Cascadia Subduction Zone  
(CSZ) Rupture earthquake magnitude 9.0

3. Township / Range <Prop Tax Assessor Maps>

GSCH: ORMAP

Visit: <https://ormap.net>

4. Plus Codes

GSCH: Plus Codes

<APPLIED to places WITHOUT STREET ADDRESSES>

Example: For Salem Capitol Bldg

Visit: <https://plus.codes/84PRWXQ9+9M>

Grid size w x h: 50 ft x 50 ft (0.01 mile x 0.01 mile)

IMPORTANT See Attached file 01

<Screen shot (SSHT) of Plus Code Grid Portland south to Salem and  
Hagg Lake east to Timothy Lake Resivoir>

filename:

**[SSHT\\_PCDM\\_PVSL\\_WLnCRnTR\\_STGI\\_2021\\_03Ma](#)**

5. Street Address

Example

Google Map: Salem Capitol, Oregon

Street Address: 900 Court St NE, Salem OR 97301 USA

6. Landmark(s)

Within a Oregon House District for example

Andrea Salinas ORHSE\_38, Rob Wagner ORSEN\_19

On Willamette River at Willamette River Mile (WLRM) 19.0

West Bank: Elk Rock Escarpment

Intersection: OR Hwy 43 / Breyman Av

East bank: Elk Rock Island

Neighborhood: Riverdale NA (Mult Co)

Birdshill CPO/NA (Clackamas Co)

7. Latitude / Longitude designation in both

DMS = Degree, Minute(s), Second(s)

Decimal Degree

Example: Salem Capitol in Decimal Degree Notation

44.938437,-123.030812

8. Neighborhood(s)

Example:

At Willamette River Mile 20: WLRM\_020.0

West bank: Birdshill CPO / NA <Clackamas Co + City of LO>

East bank: Oak Lodge CPO <Clackamas County>

Landmark: Lake Oswego / Union Pacific RR Bridge

USGS Quad 7.5 min: Lake Oswego

Google Map (Street / Image) ...: [G CC BHnOG-UPRR RR Bridge WLRM 020](#)

Acme Map (Topographic) .....: [A CC BHnOG-UPRR RR Bridge WLRM 020](#)

Plus Code (Google) .....: [P <84QV> C8GW+24 OR OG UPRR Br](#)

Note: EXTREME Special Thanks to Oregon Department of Water Resources (OWRD), GIS Leader for producing list of waterbodies (Clackamas River, Tualatin River and Willamette River) with attributes (entries) of River Mile, Lat/Lng Decimal Format, and Plus Codes. Please contact them. OWRD has developed a "Python" computer application to generate the list. List has saved me much time and effort for CRITICAL data. With respect to dams, earthquake-9.0 CSZ Rupture, and catastrophic and life extinguishing floods "80 ft high wall of water" expected / reported by City of West Linn in Clackamas County Natural Hazards Mitigation Plan (FEMA grant) 2018-2019

See: [2020 Oct BHCN IGPA FTHLnDam Vicinity](#)

See: [2019 Mar NH18V2 FGPAC WL-4 SpHzArea BH](#)

See: [2019 Mar NH18V2 FGPAC LA-4 SpHzArea BH](#)

Notably in

City of Lake Oswego Foothills District and project of Tryon Creek Wastewater Treatment Plant Project (replacement) of existing City of Portland facility.

Thanks

Skip

(Charles Ormsby)

503.636.4483 mobile anytime

or city might have to use