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INCREASED STORM DRAIN INFLOWS TO BAKER CREEK = INCREASED RISK OF FLOODING CRESTBROOK

THE INCREASED VOLUME OF STORM DRAINAGE DIRECTED TO THE BAKER CREEK DRAINAGE WAY IN THE LAST TEN YEARS HAS INCREASED THE FLOODING RISK IN THE LOWER CRESTBROOK NEIGHBORHOOD. ALLOWING PREMIER TO FILL, DIKE, AND NARROW THE WETLANDS A QUARTER MILE UPSTREAM OF CRESTBROOK – WILL RAISE THAT FLOODING RISK MUCH HIGHER.

I am not privy to any flow information needed to quantify this claim. All I have are FEMA maps and actual pictures that show that in 2015, it probably took 3.0 – 3.5 inches of rain to flood the 500 year floodplain next to the lower Crestbrook neighborhood (and 30% of the wetlands just upstream). – BUT-- in December of 2018 after the driest summer/fall on record – those same areas flooded after only 1.75 inches of precipitation. Everyone living above the wetlands was stupefied. Those two areas had never come close to flooding with that amount of rain in the past. – And then darned if it didn't flood darn near as badly in February of 2019 after right at 1.75 inches again!!

So, it is obvious that since the wetlands and 500 year floodplain are now flooding with far less precipitation, THAT THIS MUST BE CAUSED BECAUSE -- MUCH MORE STORM DRAINAGE BEING DIRECTED TO THE BAKER CREEK DRAINAGE WAY FROM a) MORE SOURCES. And; b) A MUCH BROADER GEOGRAPHIC AREA.

The maps and exhibits included on the following pages show the big picture of just how big (and narrow) the Baker Creek drainage way is – The FEMA map also identifies the 100 and 500 year floodplain – and the wetland area Premier is proposing to fill and dike. The map is obviously outdated because – both the wetlands and the 500 year floodplain have now flooded 3 times in the last 5 years – with avg rainfall.

THE ADDITIONAL INFLOWS RESPONSIBLE ARE PROBABLY COMING FROM SEVERAL SOURCES. BUT THE 3-4 PROJECTS THAT HAVE TAKEN PLACE SINCE 2010 THAT WE SUSPECT HAVE INCREASED THE STORM INFLOWS TO BAKER CREEK ARE:

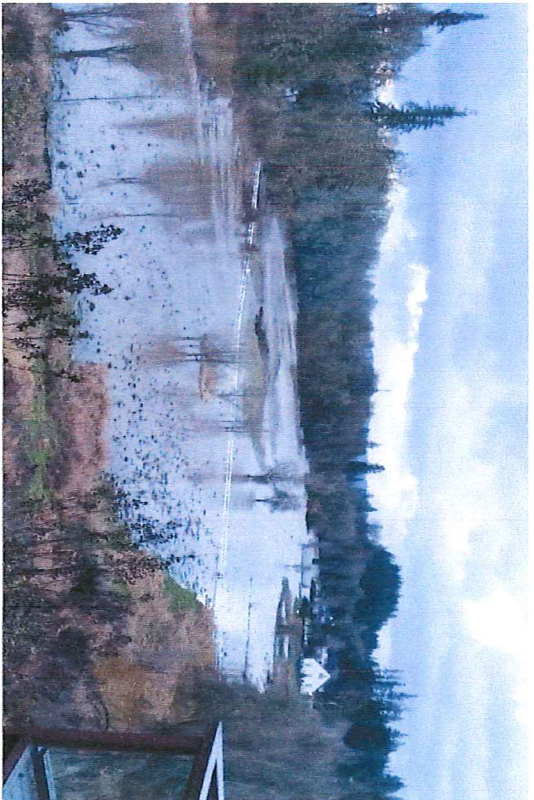
1. The Hill Road Project in 2015-2018? – Hill Road was totally reengineered and rebuilt with a totally new storm drain system. We don't know how far towards Fox Ridge the drainage was directed towards Baker Creek. But we suspect that road drainage system from at least Wallace now goes to the Baker Creek drainage way.
2. West Wind development – was the storm drainage in this development routed to Baker Creek?
3. The 125 acre Baker Creek east and west? – This was always swampy in the winter. And now has an elaborate storm drain system with a couple of ponds. Where does all the drainage from those roads and roofs go?
4. Probably the largest contributor is that in 2018, over 600 acres of DRAIN TILE was installed under three filbert orchards just upstream of Hill road. So instead of those fields acting like sponges as in the past, the rain must pass to the drain tile pretty quickly – AND ALL OF THOSE FIELDS DRAIN TO BAKER CREEK.
5. And, Premier and Stafford are applying to develop another 100 acres of roads and houses in the next few years. We are assuming their storm drainage will be directed to Baker Creek.

SO AGAIN, ALL WE ARE SEEING IS THE RESULTS SHOWN IN THE PICTURES ON THE FOLLOWING PAGES. PLEASE NOTE THE ONES THAT SHOW THE LOWER CRESTBROOK NEIGHBORHOOD IN THE BACKGROUND. OUR QUESTION IS – ARE 15 MORE HOUSES MORE IMPORTANT THAN RAISING THE RISK (AND LIABILITY) OF FLOODING CRESTBROOK. PLEASE DO AN UPDATED FEMA STUDY BEFORE APPROVING ANY FILLING, DIKING, NARROWING OF THE BAKER CREEK WETLANDS AND DRAINAGE WAY.

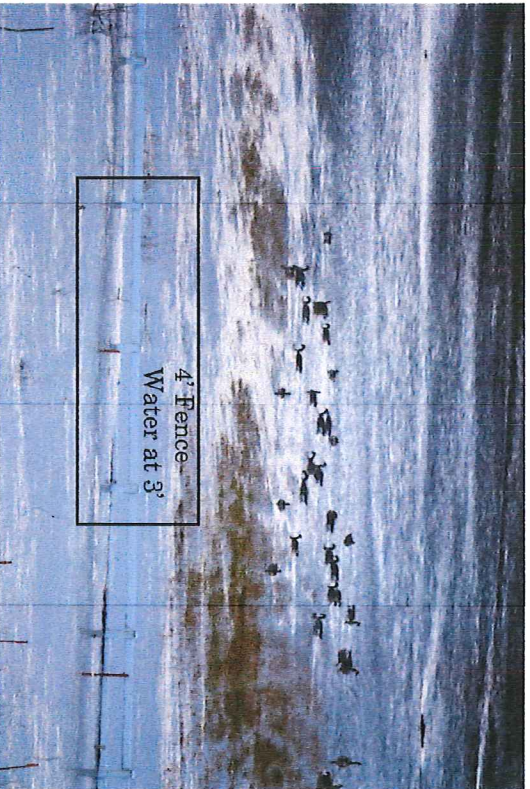
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COMMUNITY DEVELOPMENT
CENTER



- * Crestbrook in background
- * far side of fence is 500 year floodplain
- * area from fence to camera is only rated wetlands
- * Both areas have flooded equally 3 times in 5 years



- * Who determined wetlands or floodplain? They are both the same depth.
- * Wetlands have flooded 3 times in 5 years. Needs re-classifying.

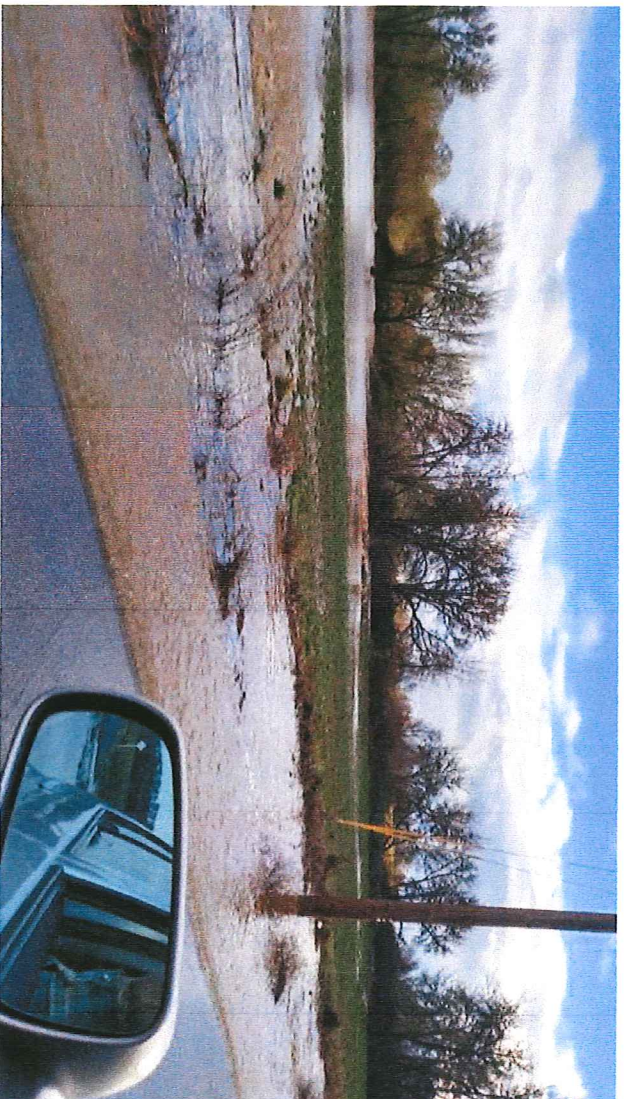
Approximate location of midigated area.



- * This angle shows how close flood aers come to Crestbrook
- * Water well up on Toth's goal posts

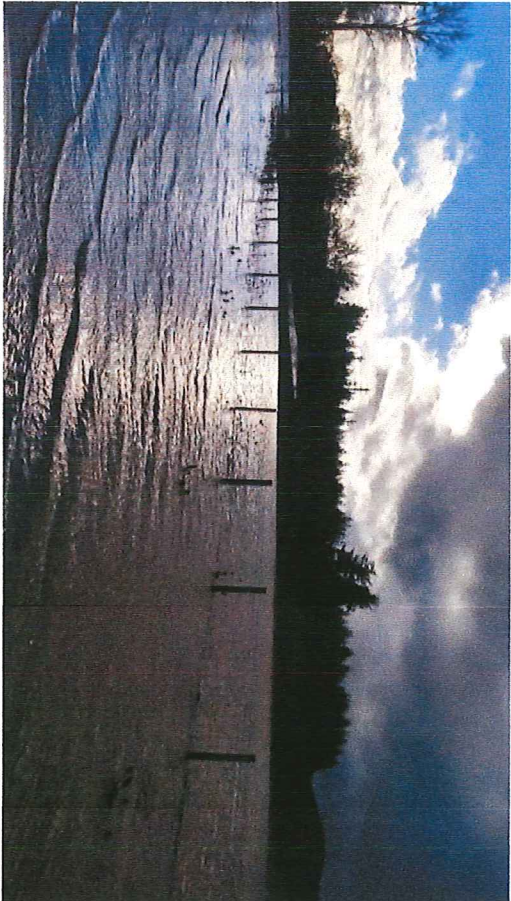


Photo from Lower Crestbrook



2015 Flooding on Stafford Property from Baker Creek Road

- * Refer to FEMA upstream picture - there is a lot of water that comes down from upstream.
- * Also, this shows another 100 acres (Staffords and Premiers) where storm drainage will be directed to the wetlands.

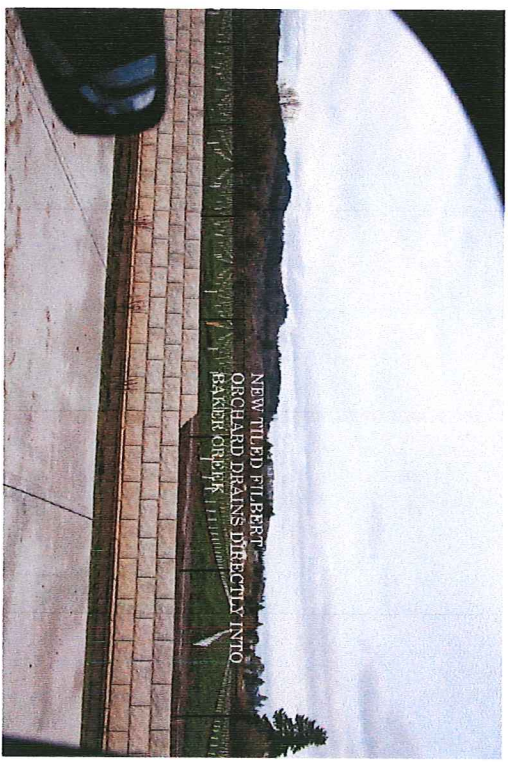


2015 Flooding at Baker Creek Rd. & Hill Rd.

*With Hill Road project and Baker Creek East/West developments, was this storm water directed to the Baker Creek Drainage Way?

* To avoid flooding in Crestbrook, 100% of the wetlands needs to be preserved.

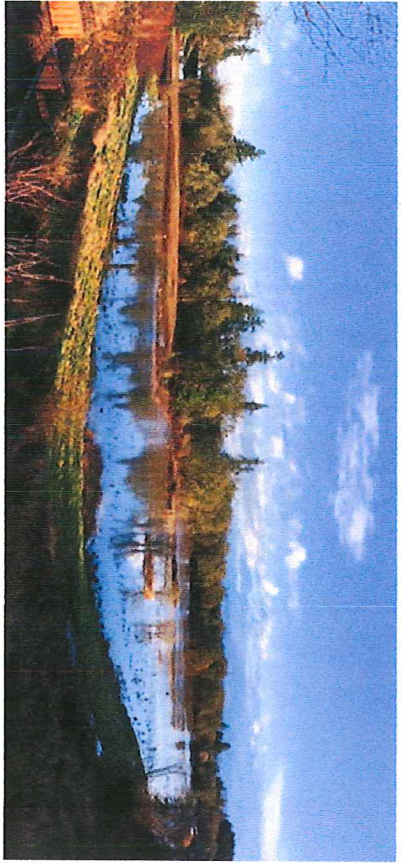
*If filling/diking wetlands is allowed, and 100 more acres developed (Oak Ridge Meadows & Stafford's Northside property, Crestbrook could flood with less than 2" of rain.



New Filbert Orchards in 100 year floodplain.

*All new filbert orchards (over 600 acres) around Hill Road N & S are tiled and draining directly into Baker Creek.

*What once took a heavy rainfall to produce flooding in the wetlands, now takes one decent rain storm. Pretty common in Oregon year round.



December 2018

*Different angle that doesn't show lower Crestbrook as well but almost as high as December 2015 flood.

*Again, wetlands and 500 year floodplain flooded at the same level

*Water at left of picture is approximately where Premier is proposing a dam/intake(?) structure. Exhibit 7. It looks like its purpose is to divert flood waters 50 yard eastward, so they could build a cul-de-sac and six more houses. BUT this will just result in decreasing size of wetlands so risk of flooding Crestbrook increases even more.

Engineered dam/intake(?) to divert more floodwater down stream and make 5-6 more lots possible.
 WHAT ABOUT Crestbrook?

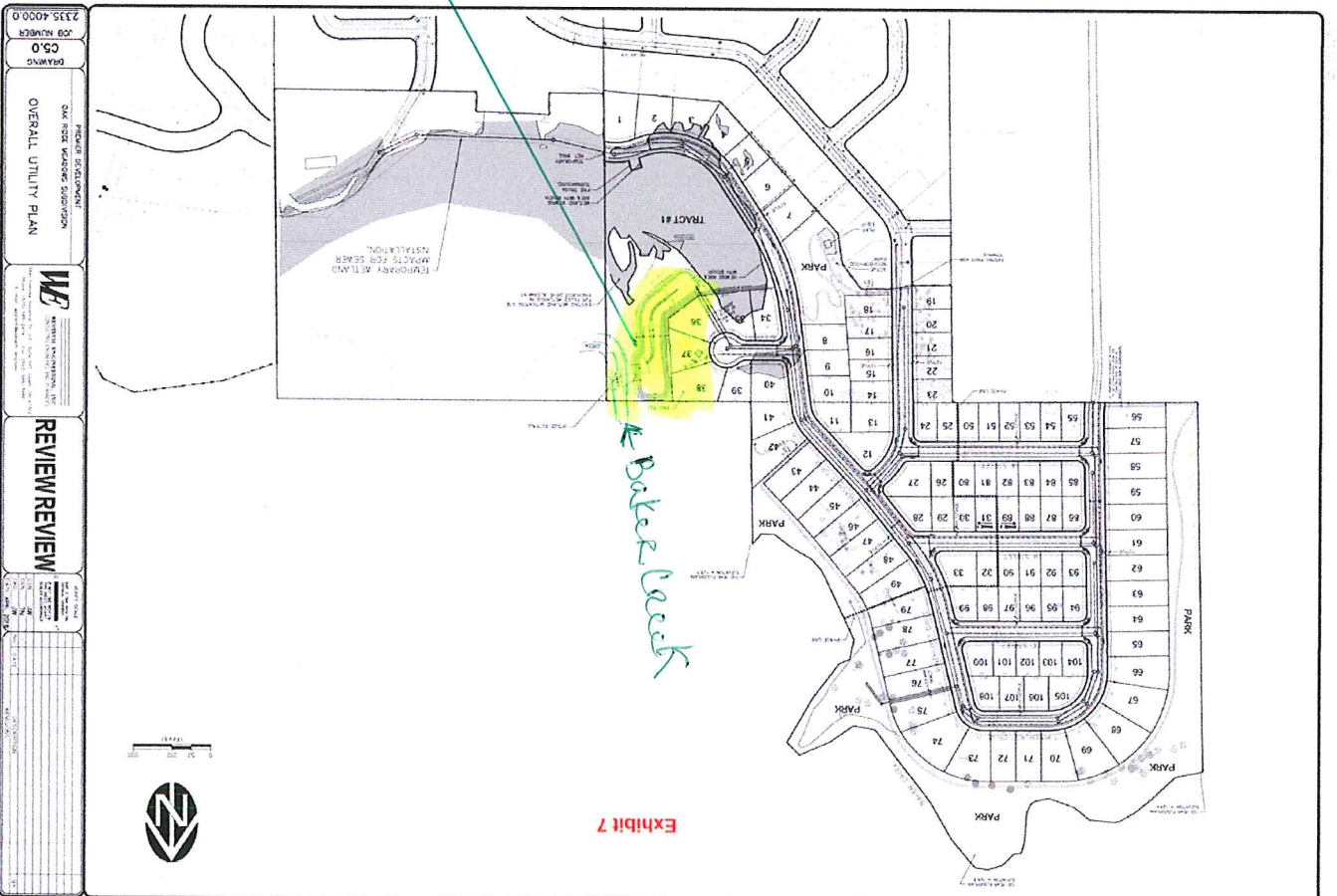


Exhibit 7