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6/12/22

Report of the forest health conditions found within the subdivision of Pine Forest on 6/4 and 6/6/2022.

After looking at the private lots I found the following (see maps for general location).

- Lot #12, a 12" diameter almost dead Jeffrey pine tree and a weakened 14" Jeffrey pine marked with white paint. The two trees are very weak and may die this summer and should be removed. The trees are located along the right side of the property (facing the lot). The owner of lot #13 stated he would remove the trees.
- Lot #13, a 12" diameter Jeffrey pine tree which is rapidly dying and marked with white paint. The tree is very weak and being attacked by the Jeffrey pine beetle. The tree is in the back of the home and the owner stated he would remove the tree.
- Lot #25, a 30" diameter Jeffrey pine tree. The tree appears to have stabilized but should continue to be watched. The tree is not marked and is in the front left corner (facing the lot).
- Lot #41, one bent over 6" diameter white fir marked with white paint, The tree will not recover and should be removed. The tree is in the back of the property.
- Lot #53, one dead white fir tree 8" in diameter marked with white paint. This tree was killed by the fir engraver beetle and should be removed. The tree is in the front right of the property (facing lot).
- Lot #54, several fir trees that appear to be under attack from the fir engraver beetle. The trees are not marked and are in the back left corner of the property. The owner removed a few dead fir trees in the same area earlier this year.
- Lot #55, a 22" dead white fir marked with blue paint. The tree was attacked and killed by the fir engraver beetle. The tree is in the back right corner (facing the property).
- Lot #56, an 18" weakened ponderosa pine and a dead 18" diameter white fir marked with white paint. The ponderosa pine is being shaded out and getting very weak due to lack of sunlight and will die soon. The white fir was attacked and killed by the fir engraver beetle. Both trees should be removed. One tree is in the back right corner and the other in the back left corner of the property (facing the property).
- Lot #72, I am assuming that a home will be constructed soon on the property as the property corners have been staked. There is a 48" diameter white fir tree in the back of the property that has a forked stem. At the junction of the two tops the tree is oozing pitch. The structural integrity of the stem of the tree has been compromised.

During the construction process this tree should be removed by the builder. The tree is marked with a yellow dot of paint.

- Lot #83, a 48" diameter white fir tree, dead and marked with white paint. The tree was killed by the fir engraver beetle and needs to be removed. The tree is in the back left of the property (facing the lot).
- Lot #84, one 48" diameter white fir tree. The tree has a fair amount of decay but in the past has provided bird habitat. With the property corners staked it appears Lot #72 and #84 are preparing to construct homes. If this is the case this tree should be removed during the construction process as it could pose a threat to a new home.
- Lot #88, a 22" diameter white fir tree. This tree is located adjacent to a larger Jeffrey pine and is under attack by the fir engraver beetle and is showing a lack of vigor. The lot is being prepared for construction. The weakened white fir tree should be removed during the construction of the home. The tree is not marked.
- Lot #95, an 18" diameter Jeffrey pine marked with white paint. The top of the tree broke out this past winter and should be removed. The tree is marked with white paint. Also, a Jeffrey pine tree 28" in diameter infected with western gall rust. The top of the tree is now dead, and the tree is losing vigor. This tree is in a group of 4 trees and should be removed when a home is constructed on this lot. The tree is along the right property line leaning into lot #95 and is marked with a white dot of paint.
- Lot #96, one 4" diameter white fir marked with brown paint. This tree was killed by the fir engraver beetle and should be removed. The tree is along the right side of the property.
- Lot #98, one dead 20' diameter Jeffrey pine tree marked with white paint. The tree was killed by the drought and the Jeffrey pine beetle. The tree has fallen and is in the very back of the lot. Also, a 6" and 18" diameter Jeffrey pine with broken tops from a winter storm. These two trees are in the middle of the lot and marked with white paint. All three trees should be removed.
- Lot #101, the property is under construction. There are two fir trees, in my opinion that should be removed before construction due to either hazards or the fact the construction could kill the tree. One smaller white fir tree behind the construction site with a woodpecker hole approximately 40 feet off the ground. The tree has a fair amount of rot in this area and could fail during winter storms. This tree did fail this past winter. The second tree, a large white fir that has had soil removed around approximately 75% of the circumference. The removal of soil has damaged the root structure of the tree and this occurring during a drought year can affect the health of the tree. The large tree also has a forked top. The 20" diameter white fir tree with the broken top should be removed. It is marked with a band of white paint on the back side.
- Lot #103, one 24' diameter white fir tree. This tree lost a very large branch two winters ago and the structural integrity of the tree is poor. This tree should be removed, is identified with a white dot of paint, and is in the front right of the lot. Also, a weakened white fir tree in the middle of the property should be watched.
- Lot #105, a 25" diameter lodgepole pine tree marked with white paint. The tree was attacked by the mountain pine beetle and killed. The tree is in the middle back of the property and should be removed.

- Lot #115, one 32” in diameter Jeffrey pine tree and two touching pine trees. The large Jeffrey pine has a western gall rust infection that could be a concern as the disease continues to infect the tree. A few years back a fourth tree from this group blew over during winter storms. I believe the root structures of the three remaining trees were compromised when the one tree blew over. However, since the winter event several years ago the root structures have been repairing themselves. These trees should be closely watched.

As I was checking on the private lots, I also took a quick look at the open space parcels and found the following:

1. Lot “A” – A few dead trees marked with blue paint, 2” and 16” diameter white fir and an 18” diameter white fir that blew over during a winter storm. The trees are located behind lots #58 through #60. Also, a 30” diameter Jeffrey pine the blew over during the winter and an adjacent standing hazardous 18” diameter Jeffrey pine marked in blue. The large down tree hit the power lines and I am sure took out the power during the winter. Truckee Donner Public Utility District moved soil and left debris near where the tree fell.
2. Lot “B” - No dead trees. The defensible space looks good.
3. Lot “C” - This is a road.
4. Lot “D” – No dead trees of concern and one broken topped tree near lot #16 that should be removed. The defensible space looks good.
5. Lot “E” – This common area looks great.
6. Lot “F” – one dead lodgepole pine located behind lot #25 should be removed. The defensible space of the parcel looks great.
7. Lot “G” – This parcel belongs to the Truckee Donner Land Trust. There is dead or blown over trees behind lots #37 to #57.
8. I would hold off on any defensible space work as Measure “T” monies will be available starting in 2023. I would work with the Truckee Donner Land Trust to have them secure funds to deal with the inadequacies on their property behind the Pine Forest lots.

#### Overall

- The good news is that the spread of all beetle species is down. Only a few trees died last year and there is not much evidence of new attack throughout the property.
- The common area work looks great. When time allows additional work can be completed but the property lines will need to be located. Any additional work is located adjacent to the property lines along with some lower limb removal throughout the common areas.

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