Estimated water depth at which fire will burn in each vegetation/fuel type

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Vegetation /Fuel Type |  |  | | Water Depth (above surface water levels) | | | | | | |
|  | No water well below surface;  > -1ft  RED | | No water below surface; -1 ft to -0.6  Reddish Orange | | No water just below surface; <-0.6 to 0  Orange | Extreme low;  >0 - .6 ft  Yellow | Very low; .6 - 1.6 ft  Dark Yellow | Low; 1.6 – 3 ft  Green | High; 3-4ft  Greenish  Blue | Very high; >4ft  Blue |
| 1. Tall continuous grass | Y | | Y | | Y | Y | Y | Y | Y | N |
| 2. Short continuous grass | Y | | Y | | Y | N | N | N | N | N |
| 3. Short sparse grass | Y | | Y | | Y | N | N | N | N | N |
| 4. Shrub | Y | | Y | | N | N | N | N | N | N |
| 5. Pine Savannah | Y | | Y | | Y | Y | Y | N | N | N |
| 6. Pine Forest | Y | | Y | | Y | Y | Y | Y | N | N |
| 7. Coastal Forest | Y | | Y | | N | N | N | N | N | N |
| 8. Beach dune | Y | | Y | | Y | Y | Y | Y | N | N |
| 9. Brazilian pepper / HID | Y | | N | | N | N | N | N | N | N |
| 10. Hammock / Tree Island | Y | | Y | | N | N | N | N | N | N |

General categories of above surface level water depths were used to estimate potential for a fire to burn in vegetation/fuel types in EVER. Exact measurements of above or below surface water depths were not defined at this time.

Vegetation fuel types

Tall continuous grass prairie: includes tall sawgrass stands and other grass prairies that have accumulated enough vegetation mass to have fuel continuity throughout with tall standing grasses

Short continuous grass prairie: includes short sawgrass stands and other grass prairies that have accumulated enough vegetation mass to have fuel continuity throughout with short stature grasses

Sparse grass prairie: includes sparse sawgrass stands, sparse mixed muhlenbergia prairies and other grass prairies that have low fuel continuity throughout

Shrub: areas where shrubs are main carrier of fire due to lack of grass understory to carry fire

Pine Savannah: Pine rockland with prairie type understory

Pine Forest: Pine rockland with grass/shrub understory

Coastal Forest: mangrove and buttonwood forest

Beach dune: beach dune vegetation

Brazilian Pepper/HID: Brazilian pepper stands with no understory, present in unscraped HID

Hammock/Tree Island: Hardwood hammocks/tree islands in pine rocklands and prairies