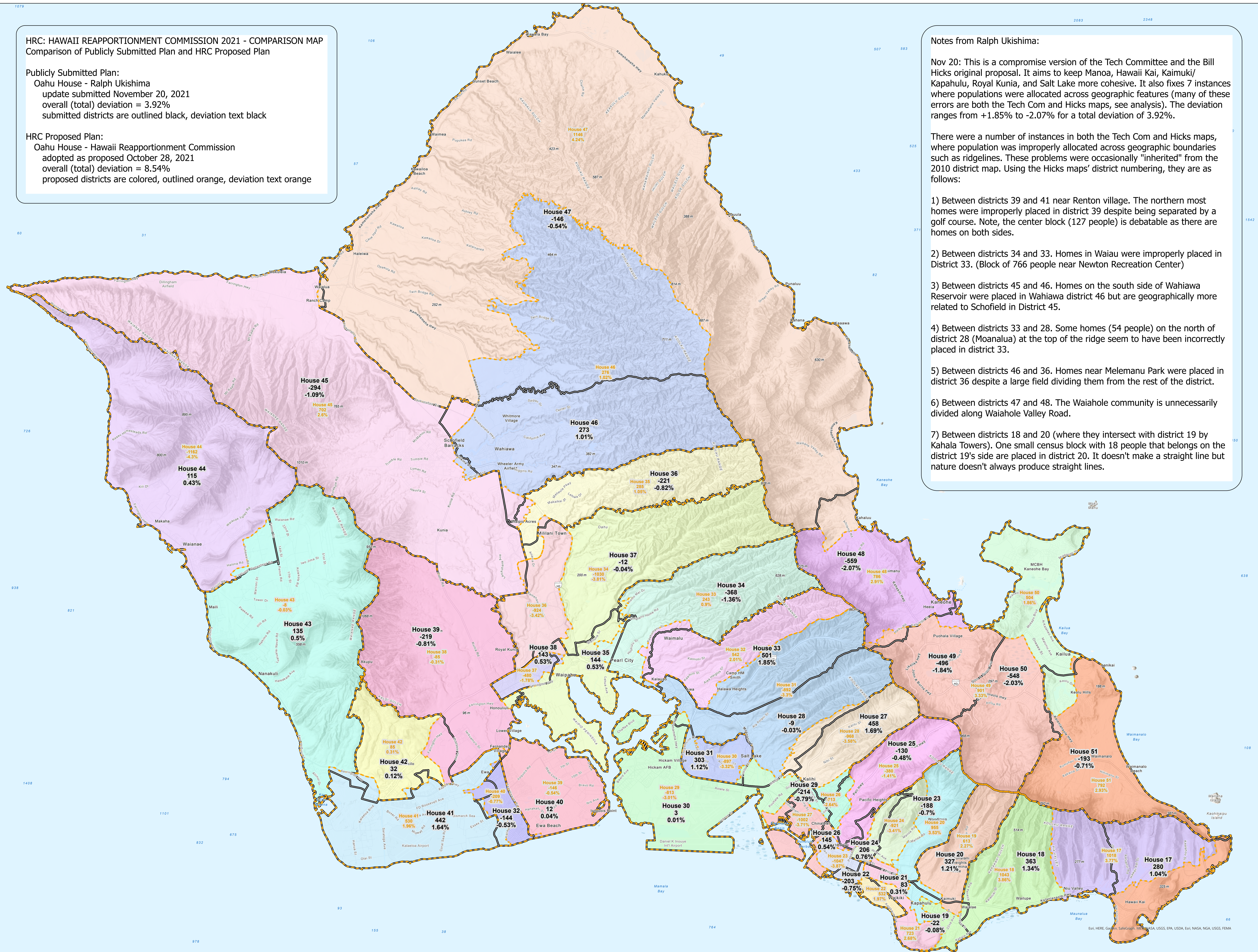


HRC: HAWAII REAPPORTIONMENT COMMISSION 2021 - COMPARISON MAP
 Comparison of Publicly Submitted Plan and HRC Proposed Plan

Publicly Submitted Plan:
 Oahu House - Ralph Ukishima
 update submitted November 20, 2021
 overall (total) deviation = 3.92%
 submitted districts are outlined black, deviation text black

HRC Proposed Plan:
 Oahu House - Hawaii Reapportionment Commission
 adopted as proposed October 28, 2021
 overall (total) deviation = 8.54%
 proposed districts are colored, outlined orange, deviation text orange



Notes from Ralph Ukishima:

Nov 20: This is a compromise version of the Tech Committee and the Bill Hicks original proposal. It aims to keep Manoa, Hawaii Kai, Kaimuki/ Kapahulu, Royal Kunia, and Salt Lake more cohesive. It also fixes 7 instances where populations were allocated across geographic features (many of these errors are both the Tech Com and Hicks maps, see analysis). The deviation ranges from +1.85% to -2.07% for a total deviation of 3.92%.

There were a number of instances in both the Tech Com and Hicks maps, where population was improperly allocated across geographic boundaries such as ridgelines. These problems were occasionally "inherited" from the 2010 district map. Using the Hicks maps' district numbering, they are as follows:

- 1) Between districts 39 and 41 near Renton village. The northern most homes were improperly placed in district 39 despite being separated by a golf course. Note, the center block (127 people) is debatable as there are homes on both sides.
- 2) Between districts 34 and 33. Homes in Waiiau were improperly placed in District 33. (Block of 766 people near Newton Recreation Center)
- 3) Between districts 45 and 46. Homes on the south side of Wahiawa Reservoir were placed in Wahiawa district 46 but are geographically more related to Schofield in District 45.
- 4) Between districts 33 and 28. Some homes (54 people) on the north of district 28 (Moanalua) at the top of the ridge seem to have been incorrectly placed in district 33.
- 5) Between districts 46 and 36. Homes near Melemanu Park were placed in district 36 despite a large field dividing them from the rest of the district.
- 6) Between districts 47 and 48. The Waiahole community is unnecessarily divided along Waiahole Valley Road.
- 7) Between districts 18 and 20 (where they intersect with district 19 by Kahala Towers). One small census block with 18 people that belongs on the district 19's side are placed in district 20. It doesn't make a straight line but nature doesn't always produce straight lines.