

From: billhickskn@gmail.com
To: [OE.Elections.Reapportionment](#)
Subject: [EXTERNAL] Testimony for the Oahu Advisory Council 1/14/22 Meeting
Date: Friday, January 14, 2022 12:06:03 AM
Attachments: [Bill Hicks Oahu House Plan of 1-9-22.pdf](#)
[Bill Hicks Oahu Senate Plan of 1-9-22.pdf](#)
[Bill Hicks Oahu House and Senate Plans of 1-9-22 Compared to Final TC Plans of 1-10-22.pdf](#)

Aloha Oahu Advisory Councilmembers,

Today the Reapportionment Commission's Technical Committee introduced new House and Senate maps for Oahu.

The Senate map does not utilize Makapu'u Point as a natural boundary between East Honolulu and Windward Oahu; this is unlike the House map, the Congressional map, and the City Council map which all use Makapu'u Point. The Oahu Advisory Council has already recommended to the Reapportionment Commission that "Oahu maps be drawn in accordance with Article IV in its entirety, which will establish Ka'ena Point and Makapu'u Point as natural boundaries for both house and senate districts". The Constitution and the Hawaii Revised Statutes both say "district lines shall follow permanent and easily recognized features, such as streets, streams and clear geographical features..." This error in the Senate map should be corrected, especially as the Technical Committee previously used it this year as a "precedent" to argue for making the same mistake on the House side with House District 51.

The Hawaii Constitution, Article IV Section 6 says "Where practicable, representative districts shall be wholly included within senatorial districts." Evidence suggests that the Reapportionment Commission's Technical Committee has never attempted to honor this Constitutional criteria.

It would always seem logical to first construct the House Districts because they are the smallest size and are crafted with the most granularity.

Once the House Districts are constructed, with 34 House Districts and 17 Senate Districts on Oahu, the next logical step would be to create the Senate map by joining 2 House Districts together to form each Senate District. If the House Districts were carefully crafted, the Senate Districts should also be well built. That way every House District will be wholly included within one Senatorial District, a Constitutional criteria.

Every Senator would only have to coordinate with two Representatives and every Representative would only have to coordinate with one Senator to properly represent their district, with a shared understanding of the community's needs for schools, roads, and other infrastructure.

Coincidentally, the same process would also work for the Big Island with 8 House and 4 Senate Districts and for Maui County with 6 House and 3 Senate Districts.

The Technical Committee does not "interpret" the Constitutional criteria that way, as there is no example anywhere in the state where any Senate District was constructed by joining two House Districts together.

The outcome of the Technical Committee's approach on Oahu is there are three Senate Districts (10, 15, and 18) that cross the boundaries of 6 different House Districts -- and two House Districts (28 and 39) that cross the boundaries of 4 different Senate Districts.

Final Plan w/12-31 Data "Alignment" of House Districts Within a Single Senate District as Practicable

House District	Senate District(s)	House District	Senate District(s)	House District	Senate District(s)
18	9, 25	30	14, 15	42	19, 20, 21
19	9, 10	31	15	43	21
20	9, 10	32	14, 15, 16	44	21, 22
21	10	33	16	45	22
22	10, 11	34	15, 16, 19	46	17, 18, 23
23	10, 11, 12	35	15, 18, 19	47	23
24	10, 12	36	18, 19	48	23, 24
25	11, 12, 13	37	17, 18	49	23, 24, 25

26	11, 13	38	17, 18	50	24, 25
27	11, 13, 14	39	18, 19, 20, 21	51	25
28	12, 13, 14, 15	40	20		
29	14	41	20, 21, 22		

Final Plan w/12-31 Data "Alignment" of House Districts Within a Single Senate District as Practicable

Senate District	House Districts	Senate District	House Districts	Senate District	House Districts
			28, 30, 31, 32, 34,		
9	18, 19, 20 19, 20, 21, 22, 23,	15	35	21	39, 41, 42, 43, 44
10	24	16	32, 33, 34	22	41, 44, 45
11	22, 23, 25, 26, 27	17	37, 38, 46 35, 36, 37, 38, 39,	23	46, 47, 48, 49
12	23, 24, 25, 28	18	46	24	48, 49, 50
13	25, 26, 27, 28	19	34, 35, 36, 39, 42	25	18, 49, 50, 51
14	27, 28, 29, 30, 32	20	39, 40, 41, 42		

Imagine a Senator having to coordinate with 6 different Representatives or a Representative having to coordinate with 4 different Senators to properly represent their district!

I built Oahu House and Senate maps that comply with all Constitutional and HRS criteria. I used two House Districts to form each Senate District. It can be done. In fact, it can be done with a smaller population deviation than the Technical Committee's proposal, too. My plans, which were developed before the Technical Committee's maps were published, are attached for your review.

I believe Reapportionment Commission Chair Mugiishi might even agree with me on this from his previous comments made on December 22, 2021. The context was House District 51, but it is universally applicable. He said "If you have a district that has synergy between the representative getting elected by the same constituency as the senator, you have a much better chance of effecting meaningful change for your community. And so I'm trying to understand why people would object to aligning their Senate map and their House map? I would think that would be a wonderful thing to do."

Furthermore, there is a requirement in Chapter 25 of the Hawaii Revised Statutes that reads "Where practicable, state legislative districts shall be wholly included within congressional districts". My maps fully comply with this as well. The Technical Committee completely ignored this requirement just as they ignored the requirement for each House District to be fully contained within one Senate District. With regard to this Congressional District criteria, my recommendation is to carefully construct the House Districts first, the Senate Districts second, and the Congressional Districts last. The Reapportionment Committee did it the other way around by finalizing the Congressional Districts first which constrains the development of what should be the first set of building blocks, the House Districts. I recommend revisiting the Congressional Districts by assembling House District blocks together (this year CD 1 = 25 Oahu House Districts and the Oahu portion of CD 2 = 9 Oahu House Districts) to form the Congressional Districts. That way every legislative district (with the possible exception of one House and one Senate District) will be wholly contained within one Congressional District.

The Oahu Advisory Council, established by the Constitution, represents the citizens of Oahu as our voice to the Reapportionment Commission. I request that the Oahu Advisory Council adopt these recommendations and forward them to the Reapportionment Commission.

Mahalo!

Aloha,
Bill Hicks

Bill Hicks Oahu House Plan

Using 12/31 Extraction Data

Bill Hicks

January 9, 2022

This Oahu House Plan Complies With All Constitutional and HRS Requirements

Constitution Article IV Section 6:

- “...the average number of permanent residents in each district is as nearly equal to the average for the basic island unit as practicable.” YES - Total Deviation only 2.57% (Tech Committee 12/17 Plan was 8.24%)
- “...districts shall be contiguous.” YES
- “...districts shall be compact.” YES
- “...district lines shall follow permanent and easily recognized features, such as streets, streams and clear geographical features...” YES – incl. Makapu’u Point (Tech Committee 12/17 Plan did not for HD 51 or SD 25)
- “...representative districts shall be wholly included within senatorial districts.” YES – ALL of them (Tech Committee 12/17 Plan only 11 House Districts were; 4 HDs crossed 4 SDs, 7 crossed 3 SDs, and 13 crossed 2 SDs)
- “...submergence of an area in a larger district wherein substantially different socio-economic interests predominate shall be avoided.” YES

Hawaii Revised Statutes Chapter 25 Section 2:

- “...state legislative districts shall be wholly included within congressional districts” YES – ALL of them (Tech Committee 12/17 Plan had 6 House Districts that crossed the CD1/CD2 boundary)

Methodology

“...the average number of permanent residents in each district is as nearly equal to the average for the basic island unit as practicable.”

- 26,780 is the Target Population for each Oahu House District
- Approach: Construct the districts to achieve deviation within 400 people (1.5%) of the target (Accomplished)

“...state legislative districts shall be wholly included within congressional districts.”

- 669,605 of 910,521 (73.54%) live within CD1 and 240,916 (26.46%) within CD2.
- That works out to 25 HDs within CD1 (26,784 average) and 9 HDs within CD2 (26,768 average).
- Approach: Place 25 HDs wholly within CD 1 and 9 HDs wholly within CD 2 (Accomplished)

Methodology (continued)

“...districts shall be contiguous...compact...follow permanent and easily recognized features, such as streets, streams and clear geographical features...”

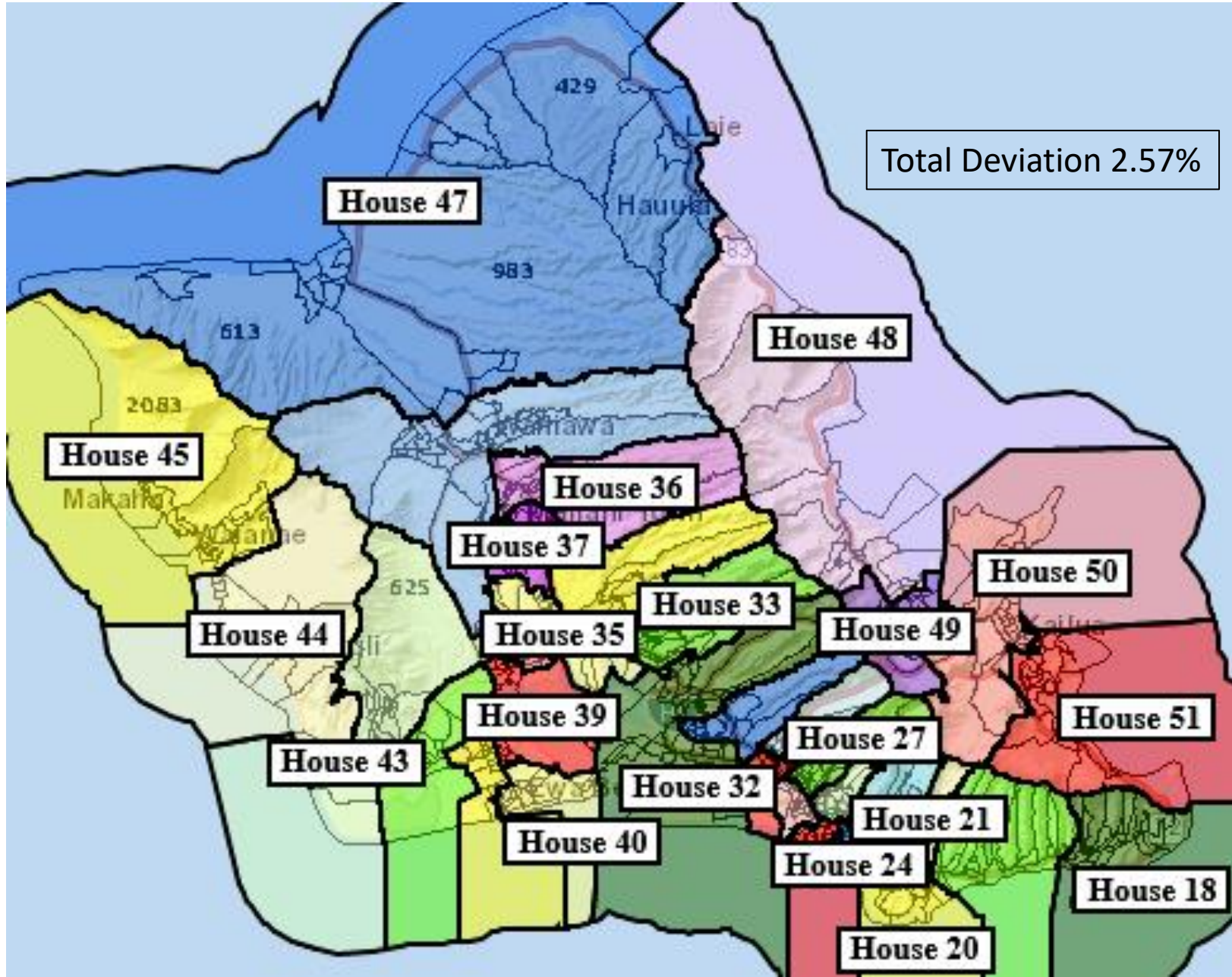
- Approach: Use both Ka’ena Point and Makapu’u Point as natural boundaries. Keep valleys wholly intact. Use mountain ridges, highways, and major streets as boundaries as much as possible. (Accomplished)

“...representative districts shall be wholly included within senatorial districts”.

- Approach: Construct House districts first as they have better granularity. Then join 2 House districts to form 1 Senate district. There will be greater synergy with every representative only needing to coordinate with one senator (the commission’s plan was up to 4 senators) and every senator only needing to coordinate with 2 representatives (the commission’s plan was up to 7 representatives). (Accomplished)

Methodology (continued)

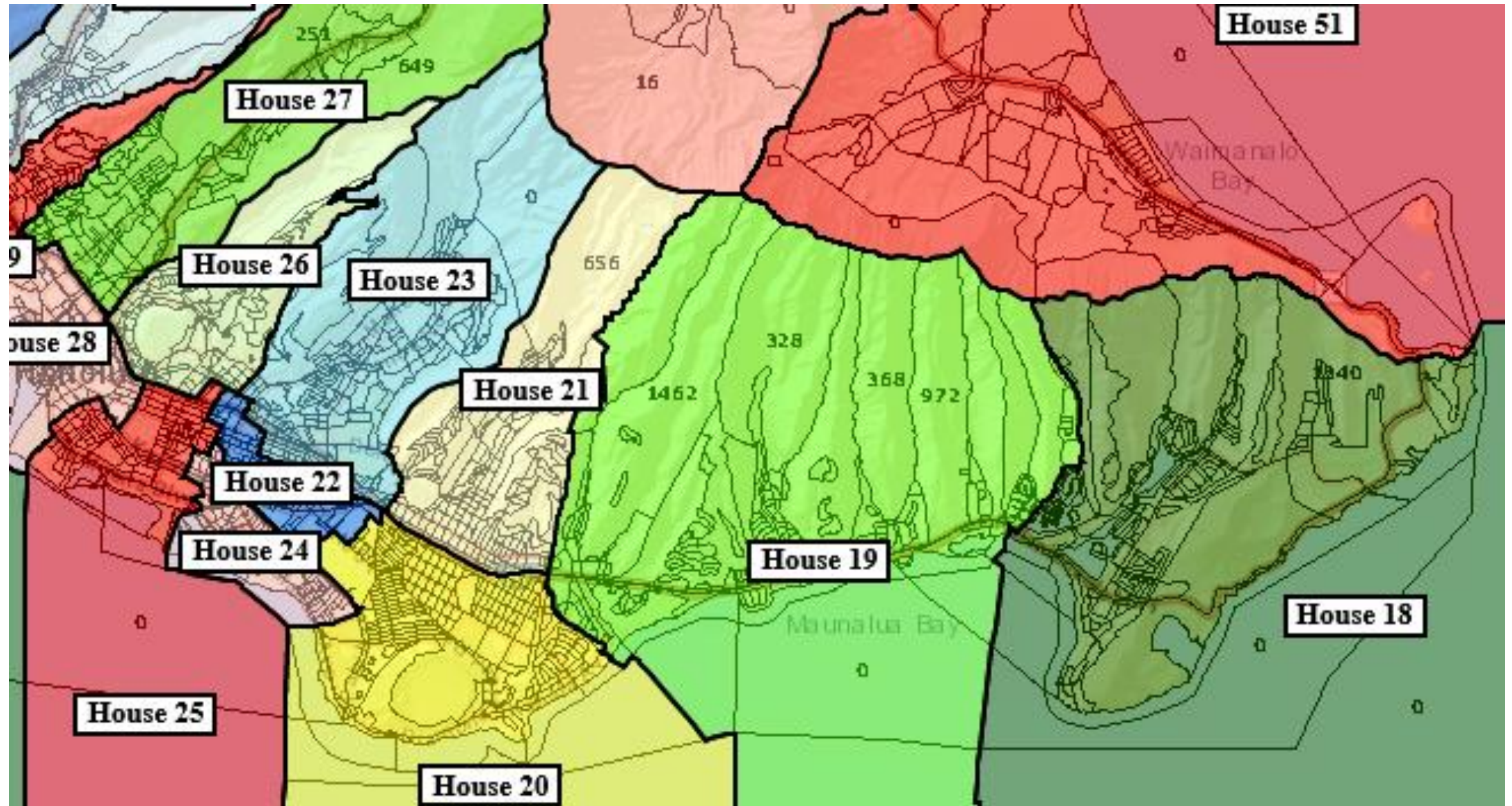
This alternative “Hicks Plan” is preliminary as of 1/9/22. It is being submitted to all Neighborhood Board Chairs for review and local suggestions. (In progress)



Total Deviation 2.57%

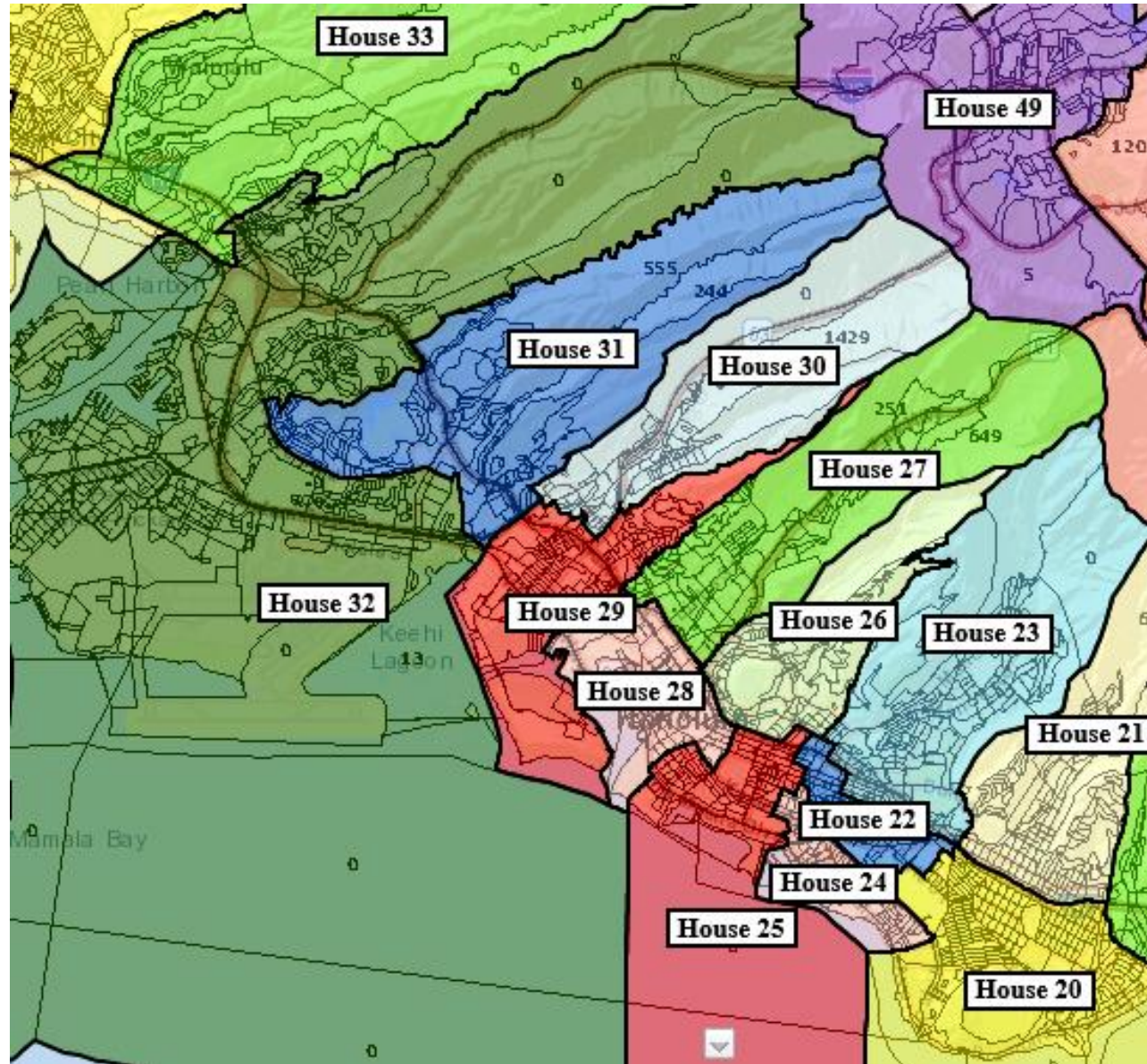
HD	Deviation	%
18	71	0.27%
19	3	0.01%
20	192	0.72%
21	344	1.28%
22	87	0.32%
23	-197	-0.74%
24	-218	-0.81%
25	-295	-1.10%
26	- 97	-0.36%
27	-211	-0.79%
28	-127	-0.47%
29	214	0.80%
30	54	0.20%
31	-341	-1.27%
32	220	0.82%
33	295	1.10%
34	21	0.08%
35	316	1.18%
36	21	0.08%
37	- 29	-0.11%
38	316	1.18%
39	-327	-1.22%
40	- 29	-0.11%
41	- 89	-0.33%
42	116	0.43%
43	111	0.41%
44	170	0.63%
45	-346	-1.29%
46	230	0.86%
47	- 4	-0.01%
48	- 5	-0.02%
49	-203	-0.76%
50	- 12	-0.04%
51	55	0.21%
52	11	0.04%

East Honolulu Overview

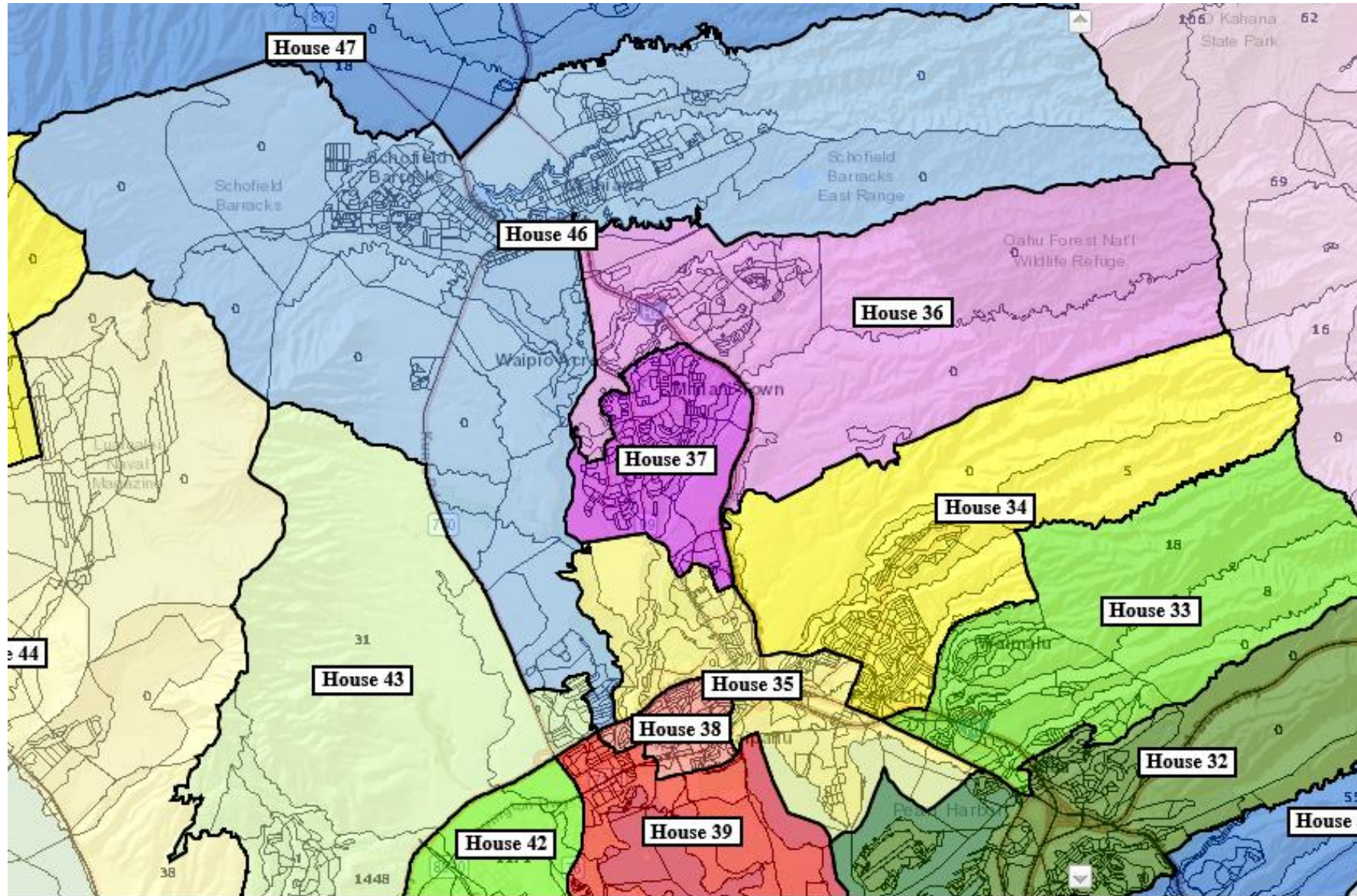


Hicks Plan

Downtown Overview

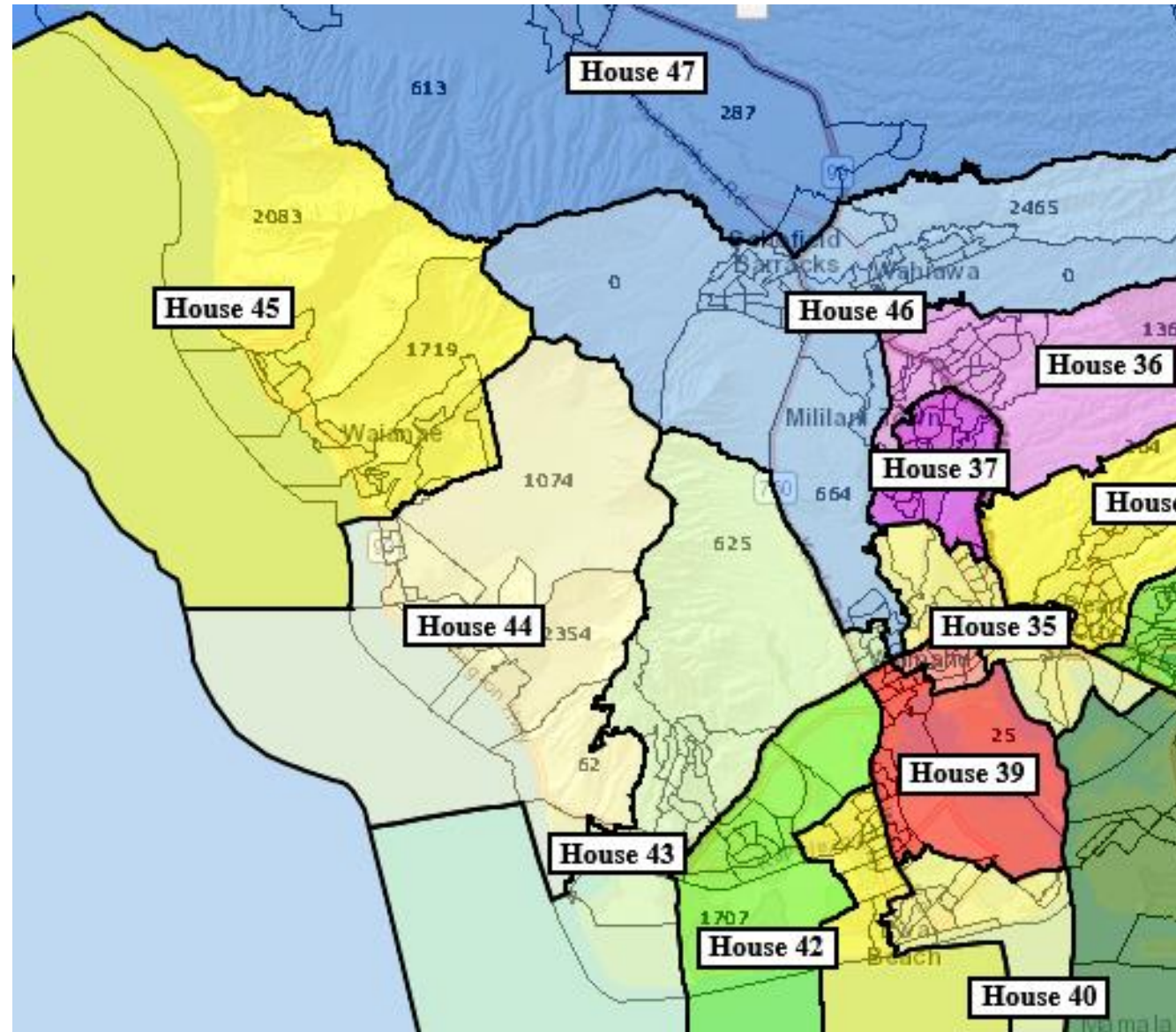


Central Oahu Overview



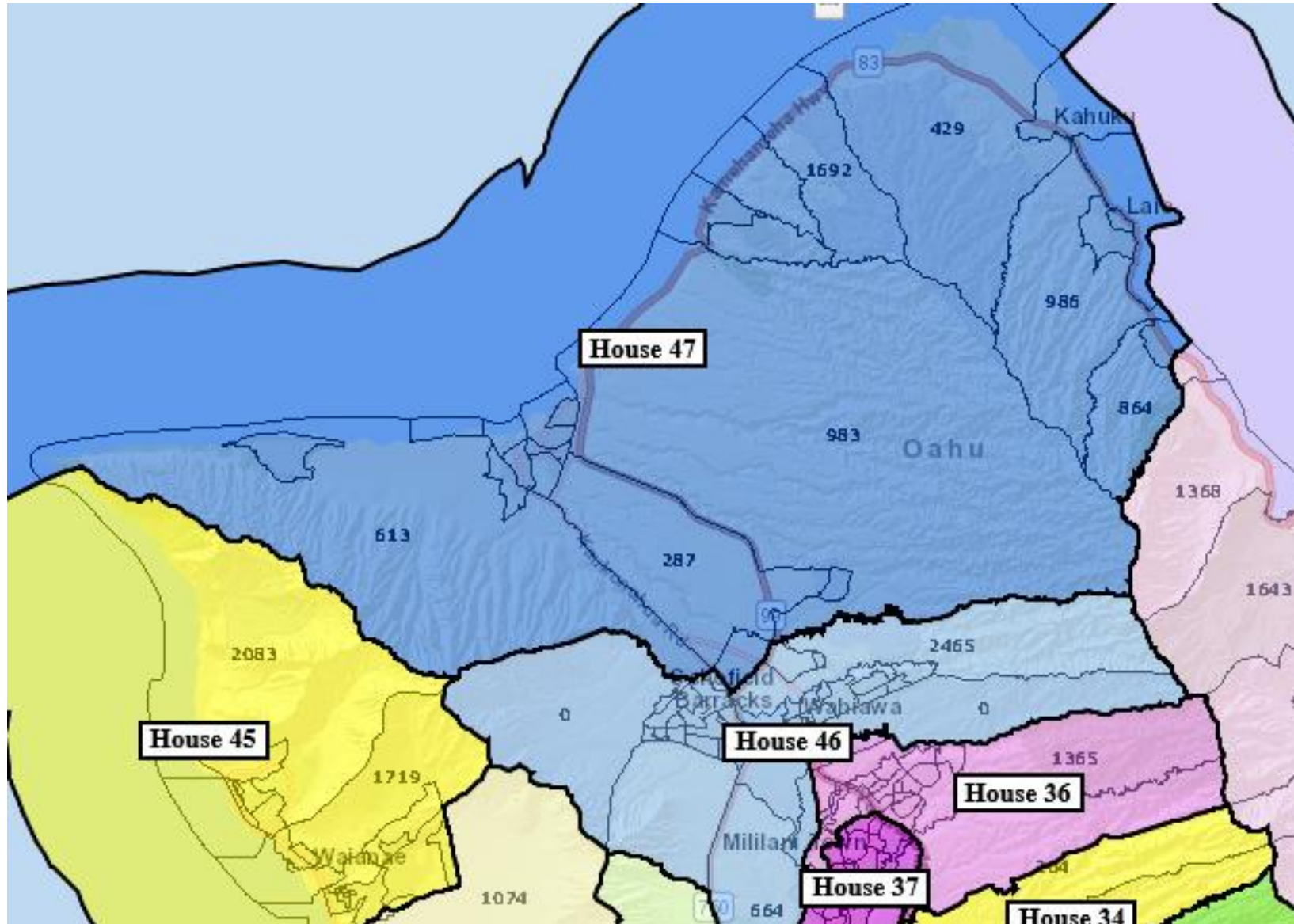
Hicks Plan

Leeward Oahu Overview



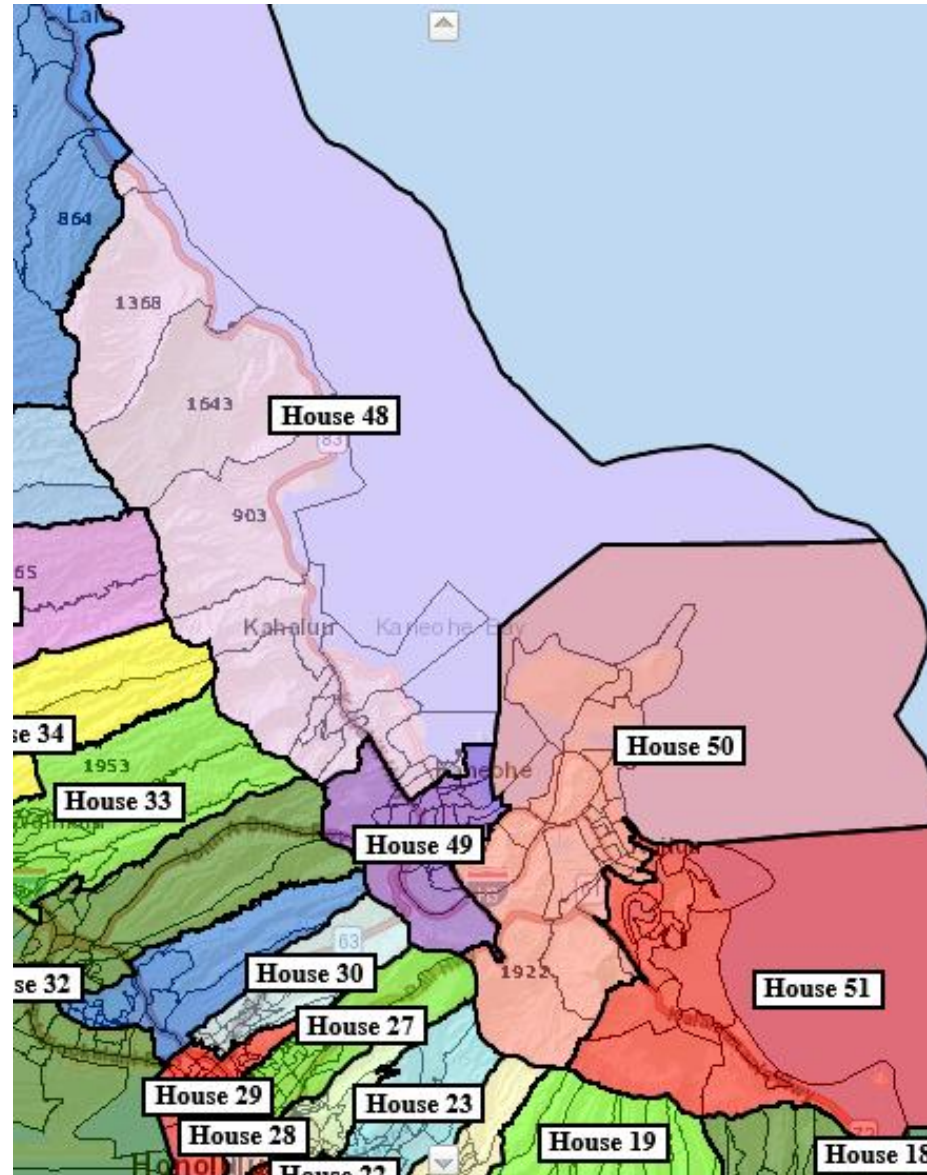
Hicks Plan

North Shore Overview



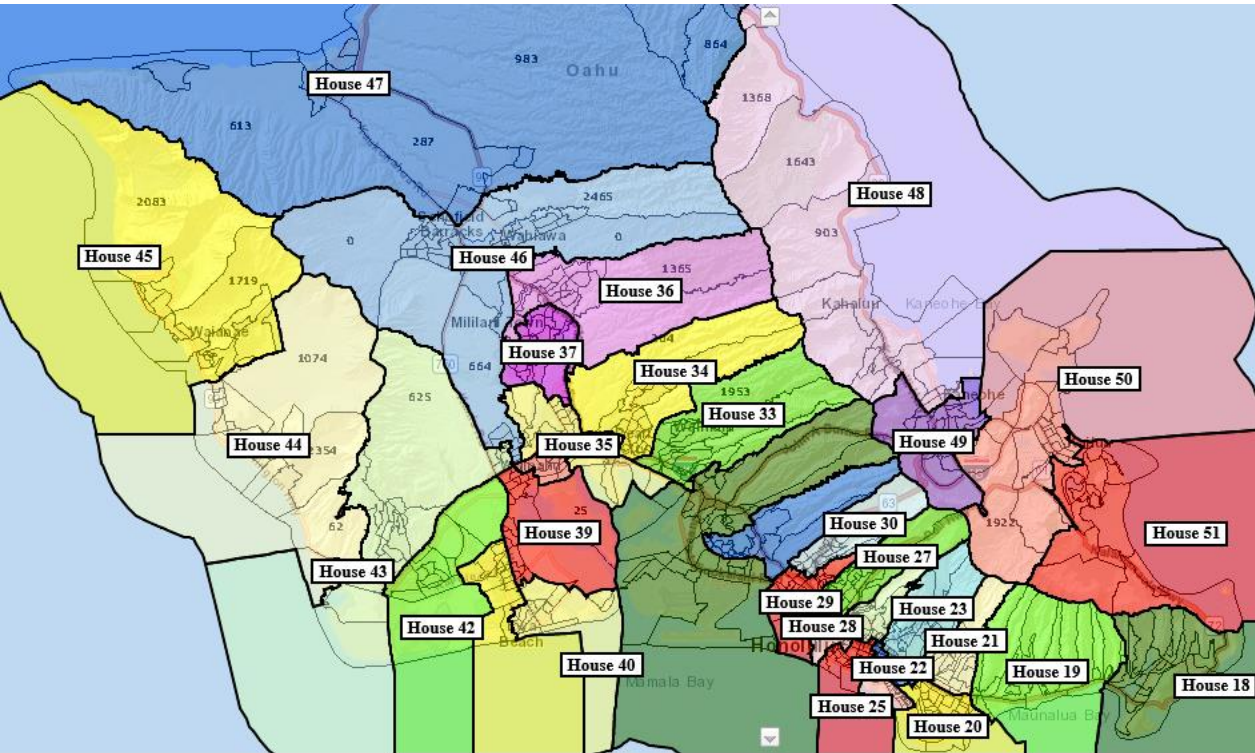
Hicks Plan

Windward Oahu Overview

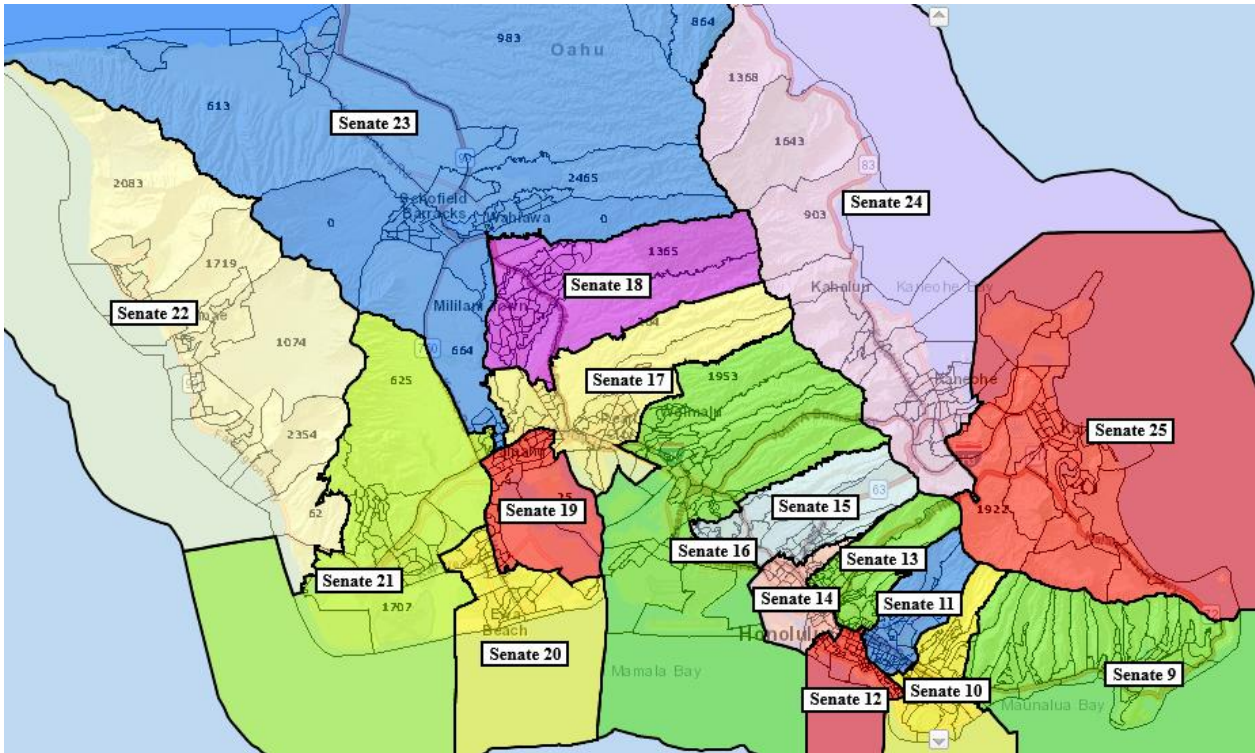


Hicks Plan

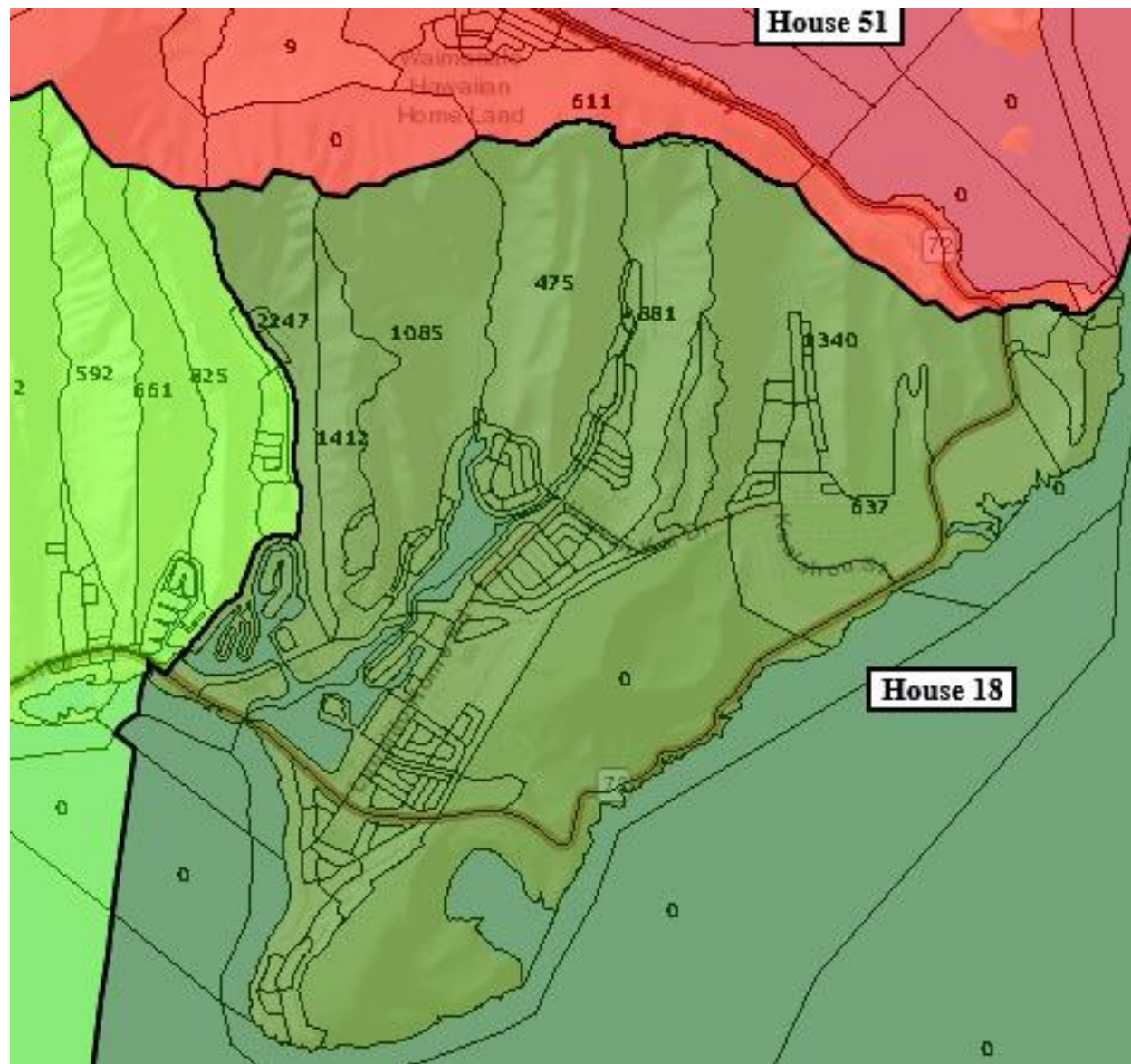
Each Senate District Consists of Exactly 2 House Districts



34 House Districts

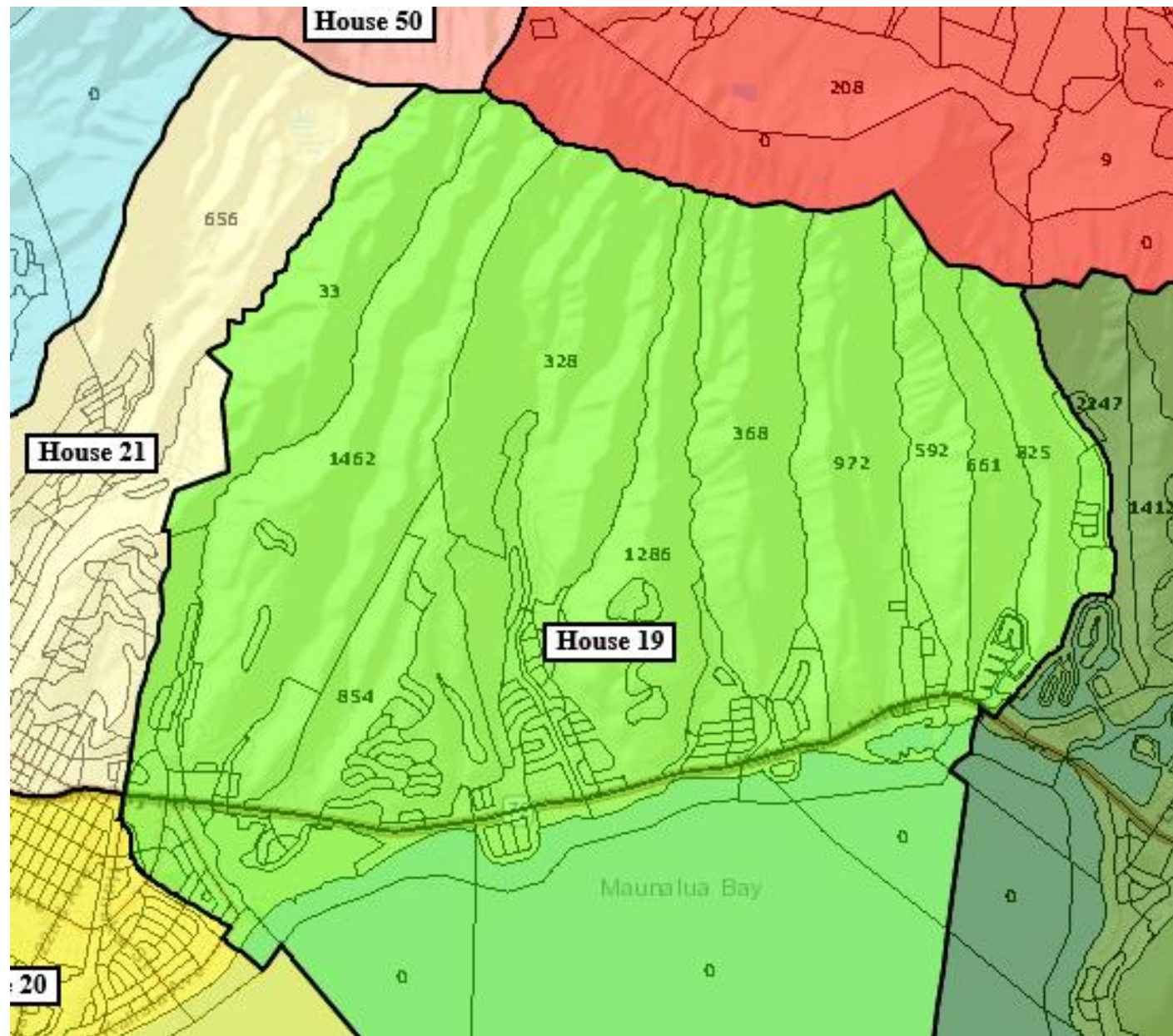


17 Senate Districts



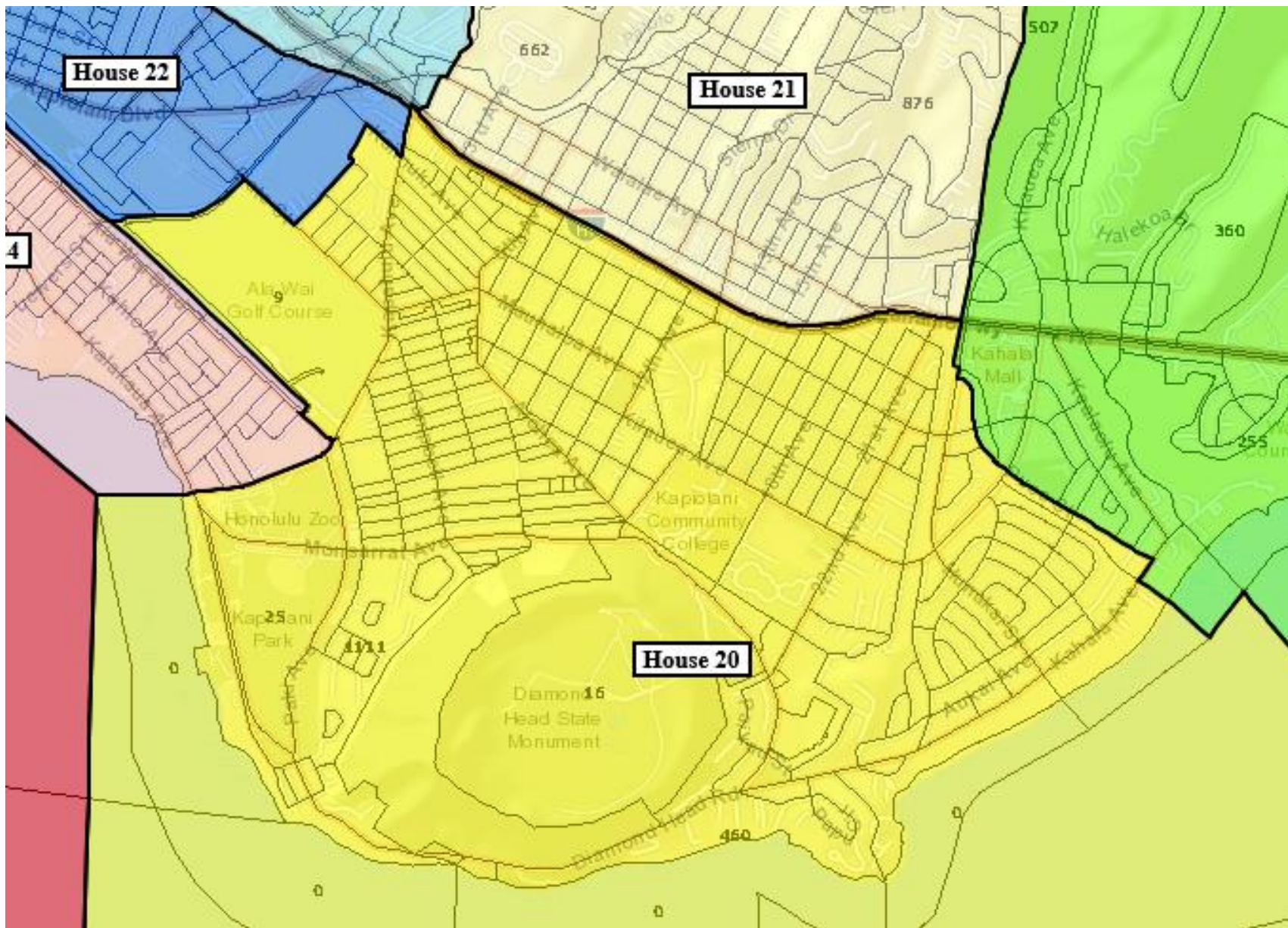
Hicks Plan (Deviation 71 people, 0.27%)

House District 18



Hicks Plan (Deviation 3 people, 0.01%)

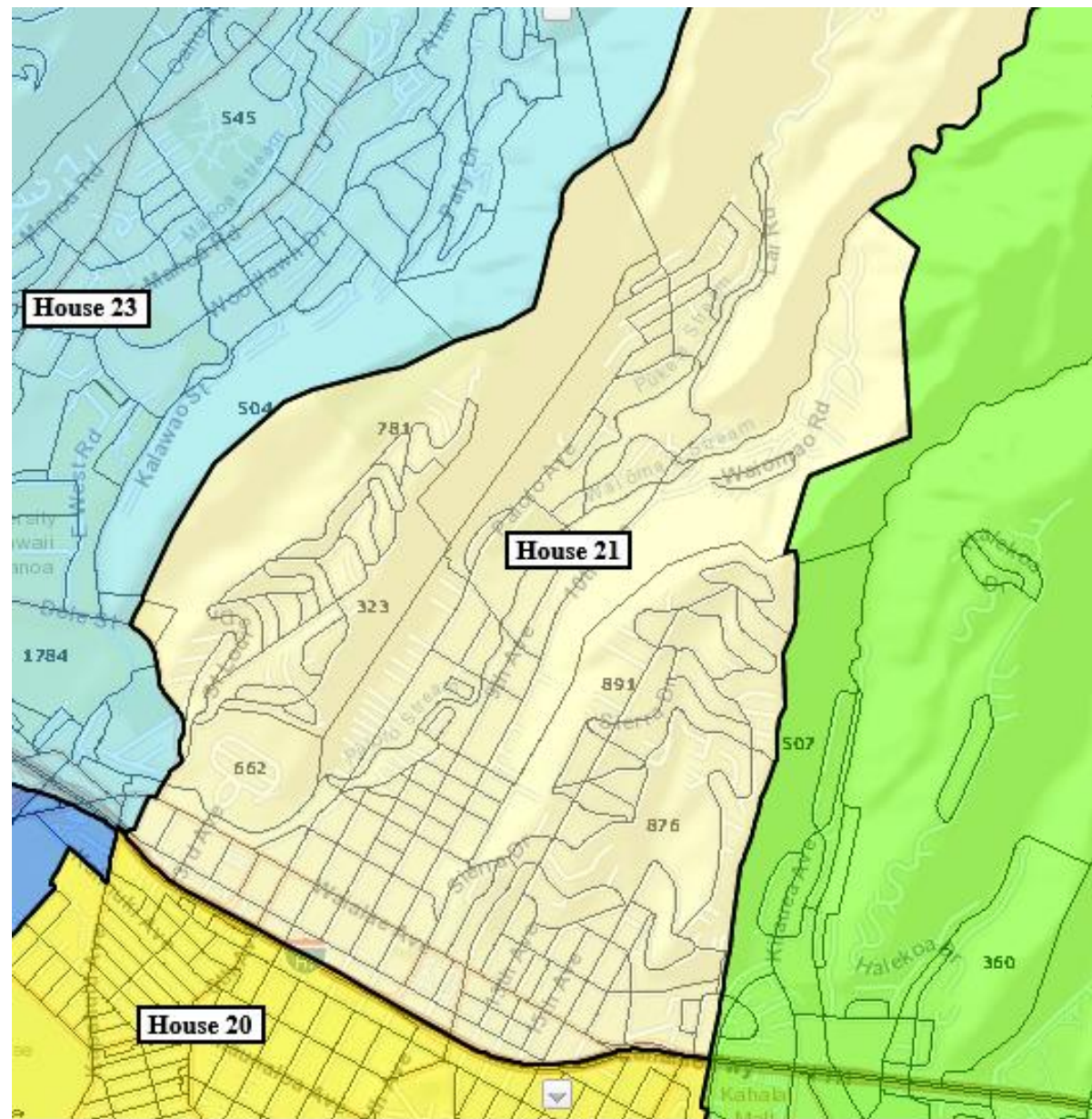
House District 19



Hicks Plan

(Deviation 192 people, 0.72%)

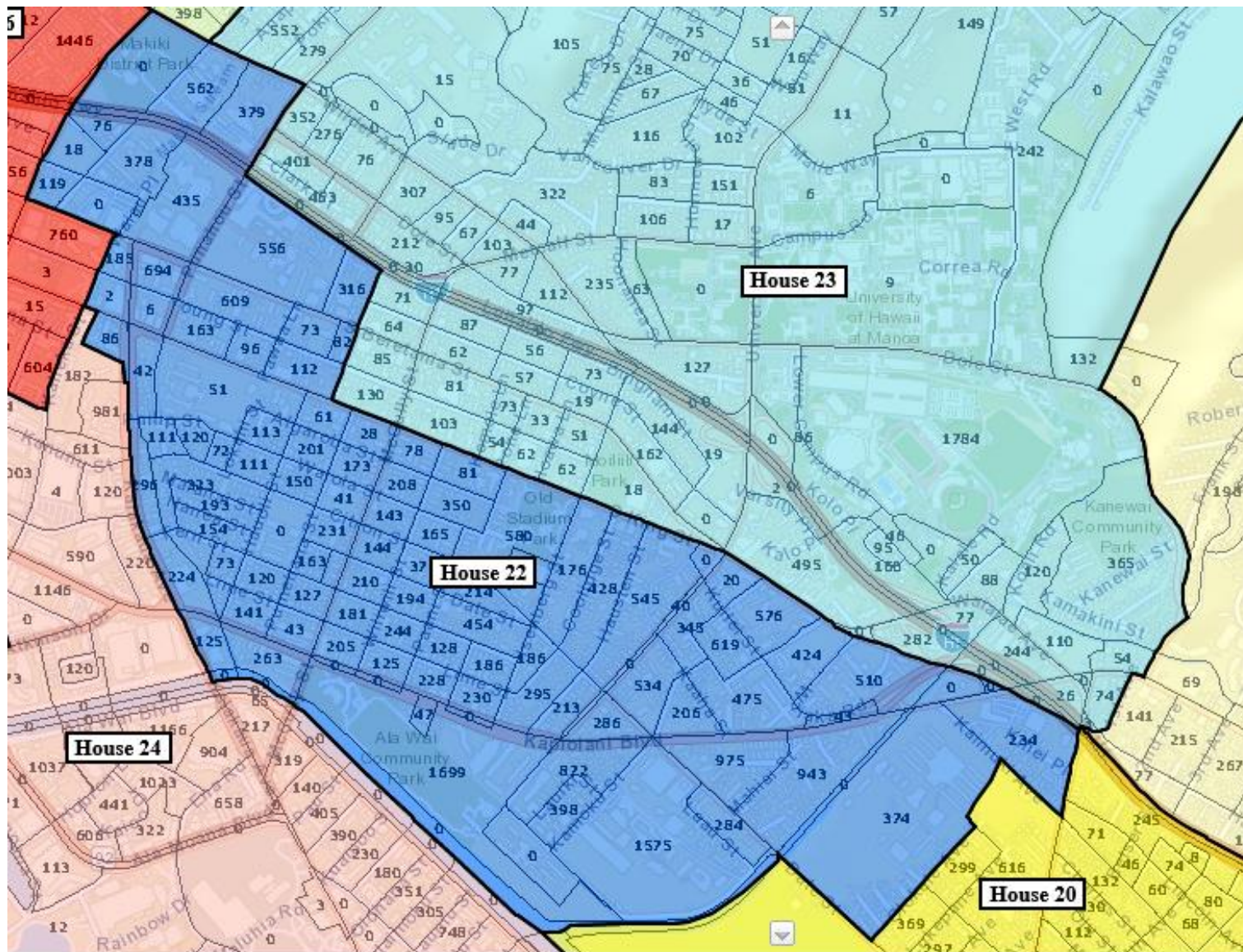
House District 20



Hicks Plan

(Deviation 344 people, 1.28%)

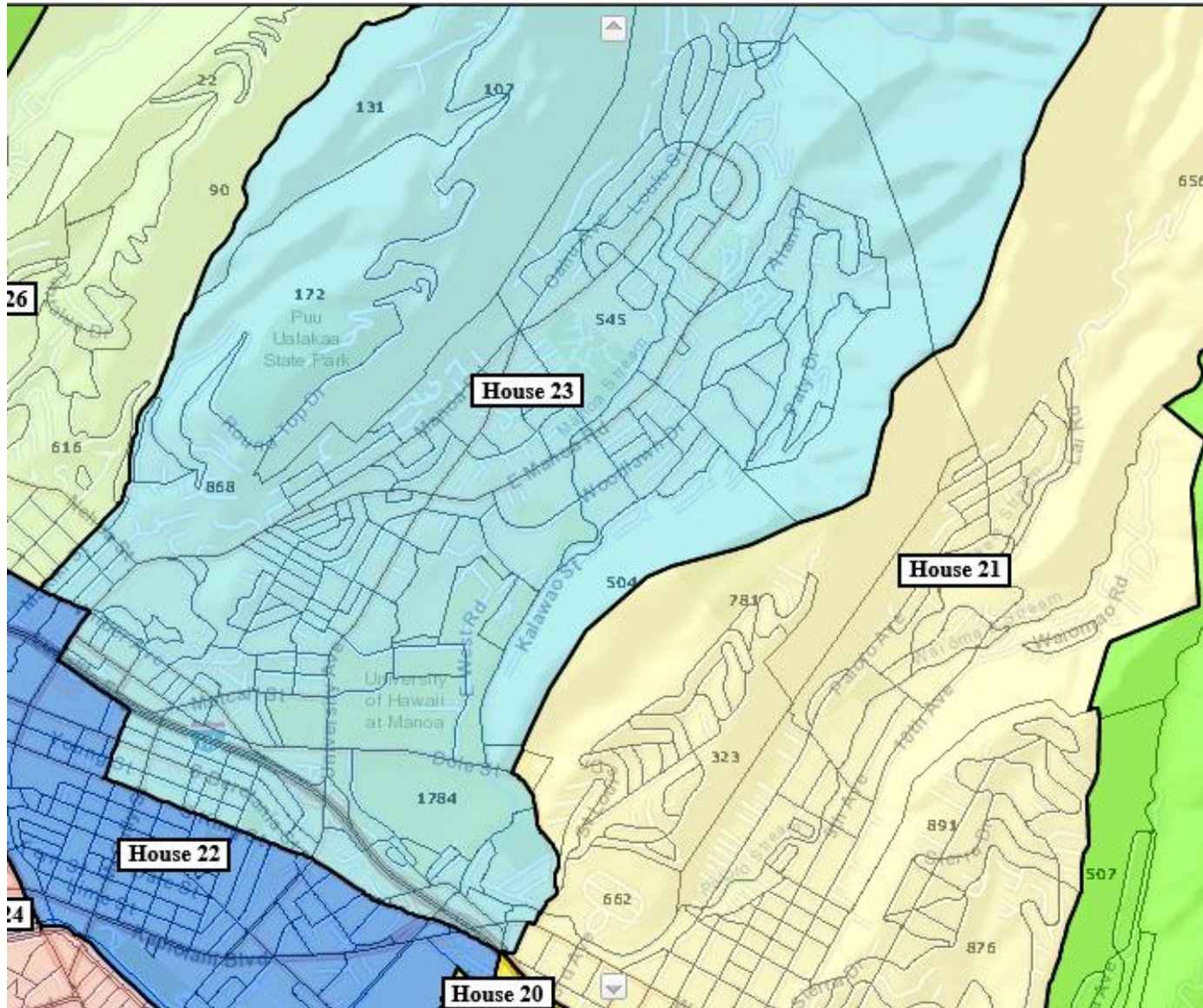
House District 21



Hicks Plan

(Deviation 87 people, 0.32%)

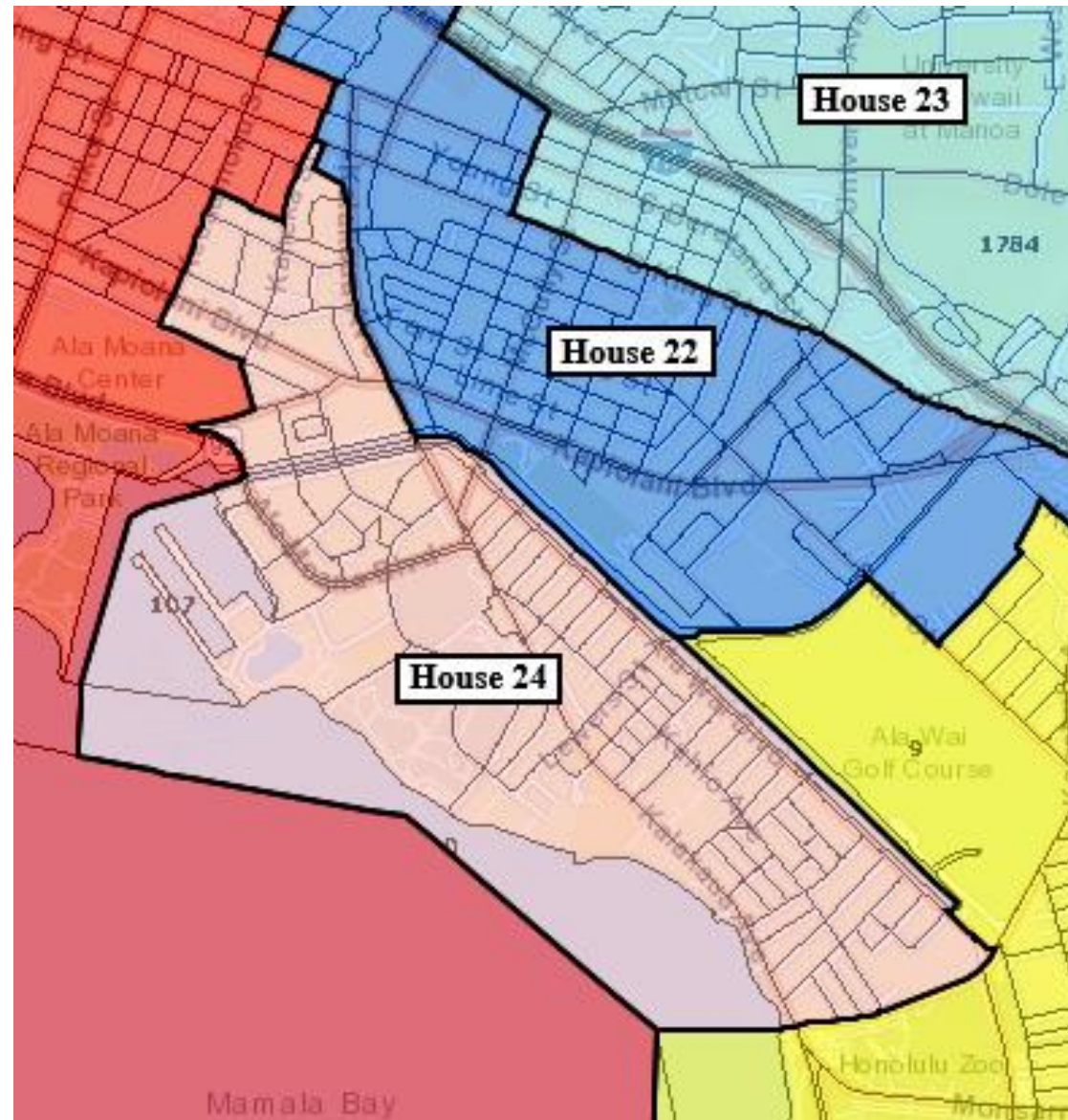
House District 22



Hicks Plan

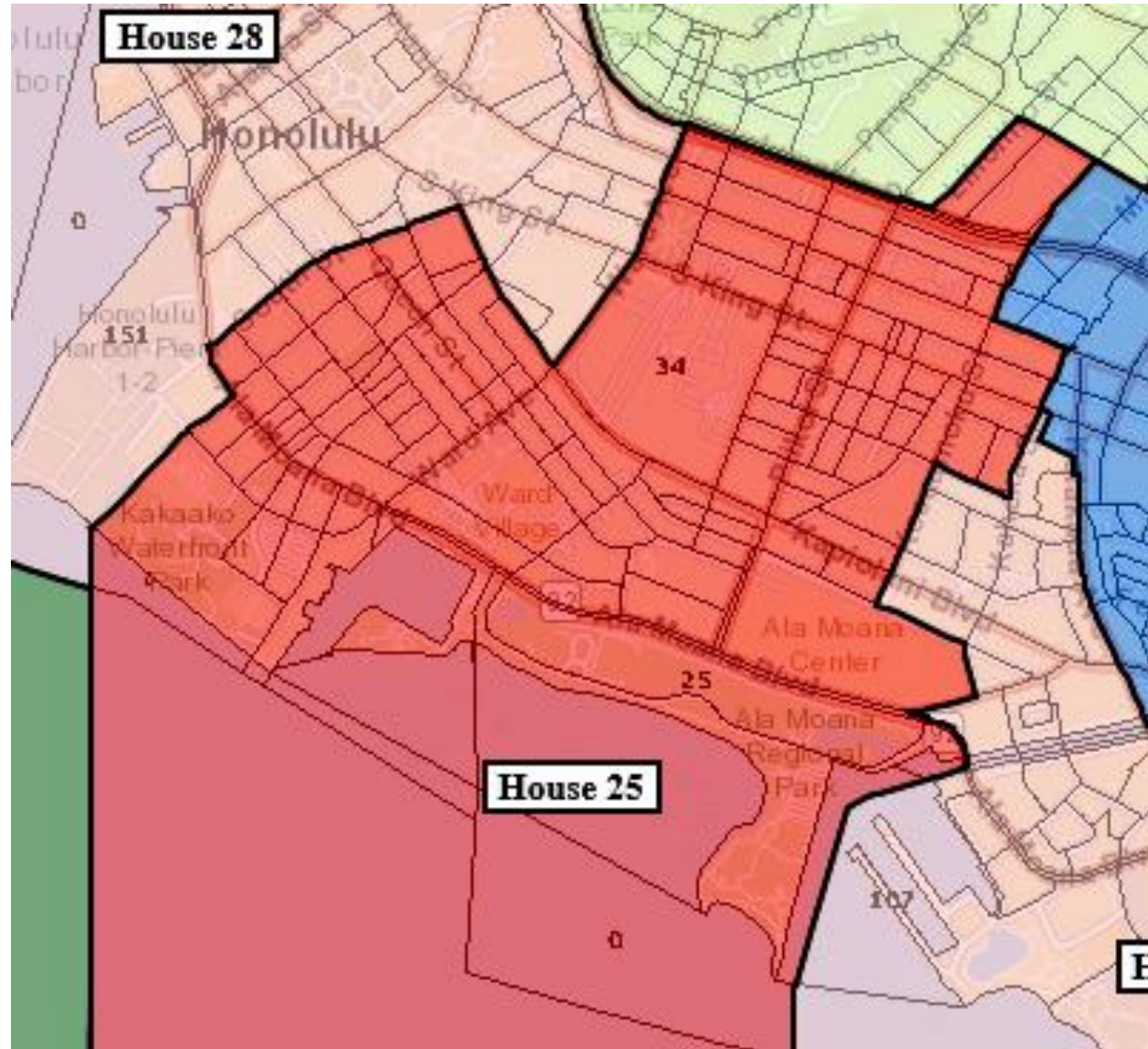
(Deviation -197 people, -0.74%)

House District 23



Hicks Plan (Deviation -218 people, -0.81%)

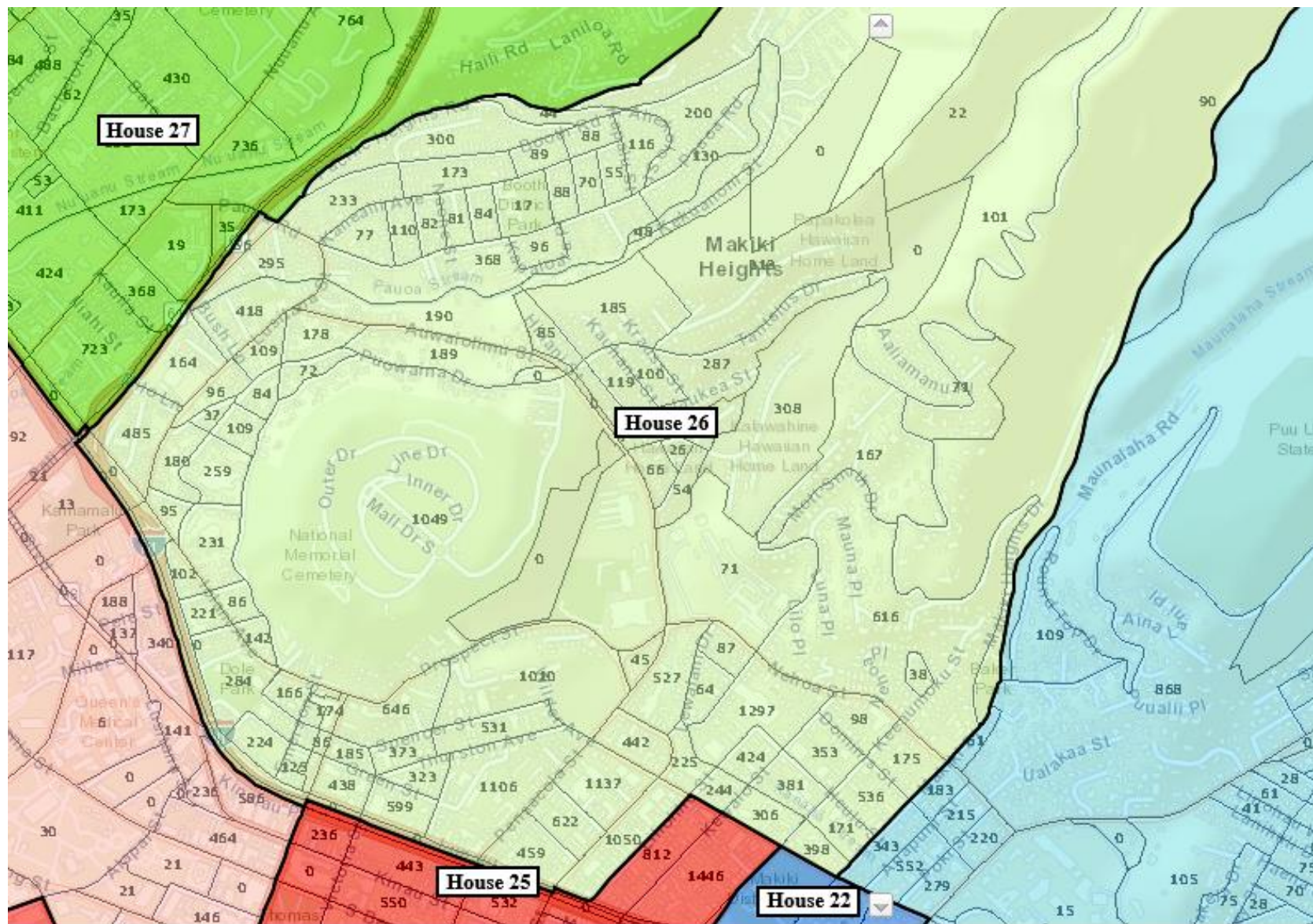
House District 24



Hicks Plan

(Deviation -285 people, -1.10%)

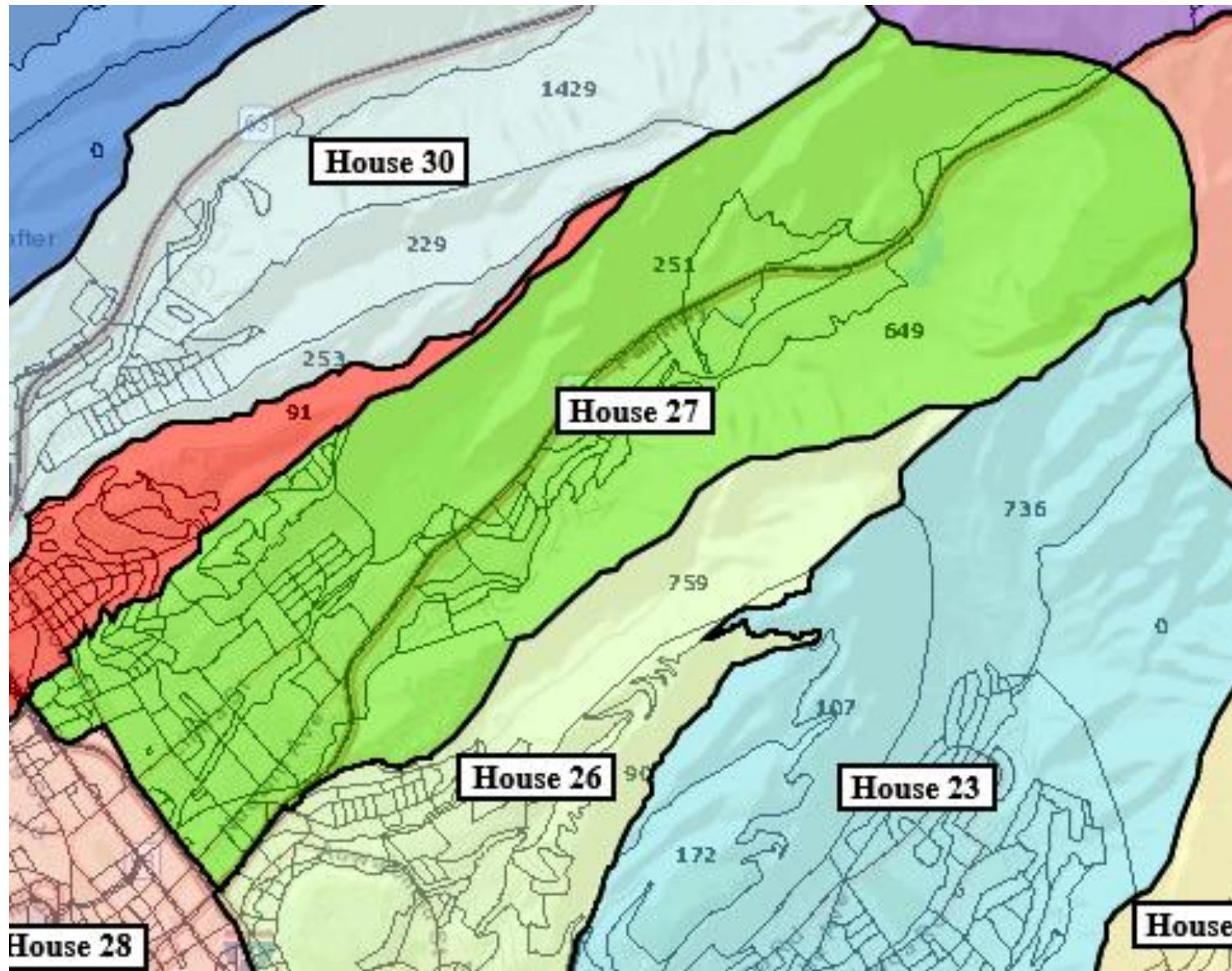
House District 25



Hicks Plan

(Deviation -97 people, -0.36%)

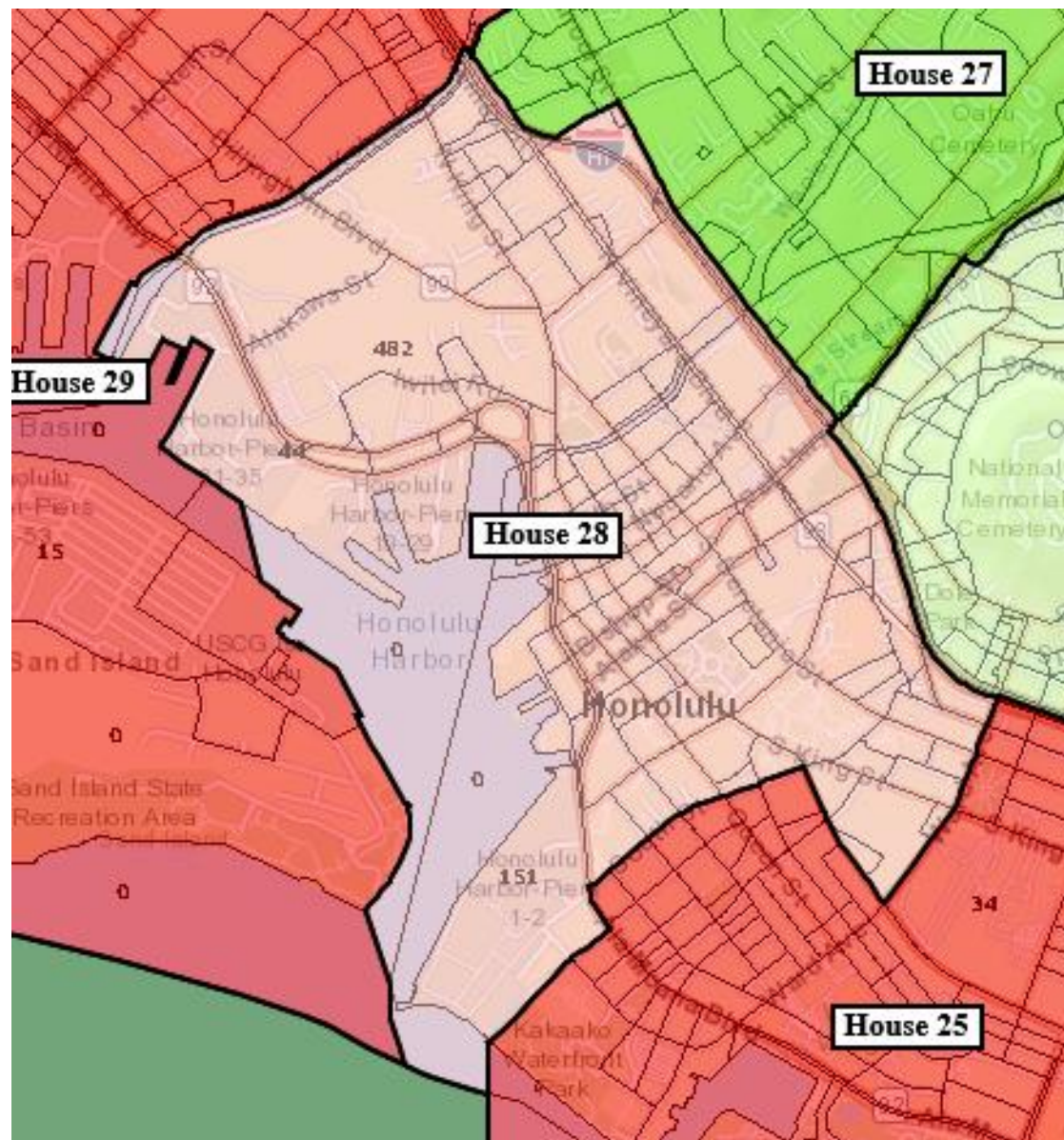
House District 26



Hicks Plan

(Deviation -211 people, -0.79%)

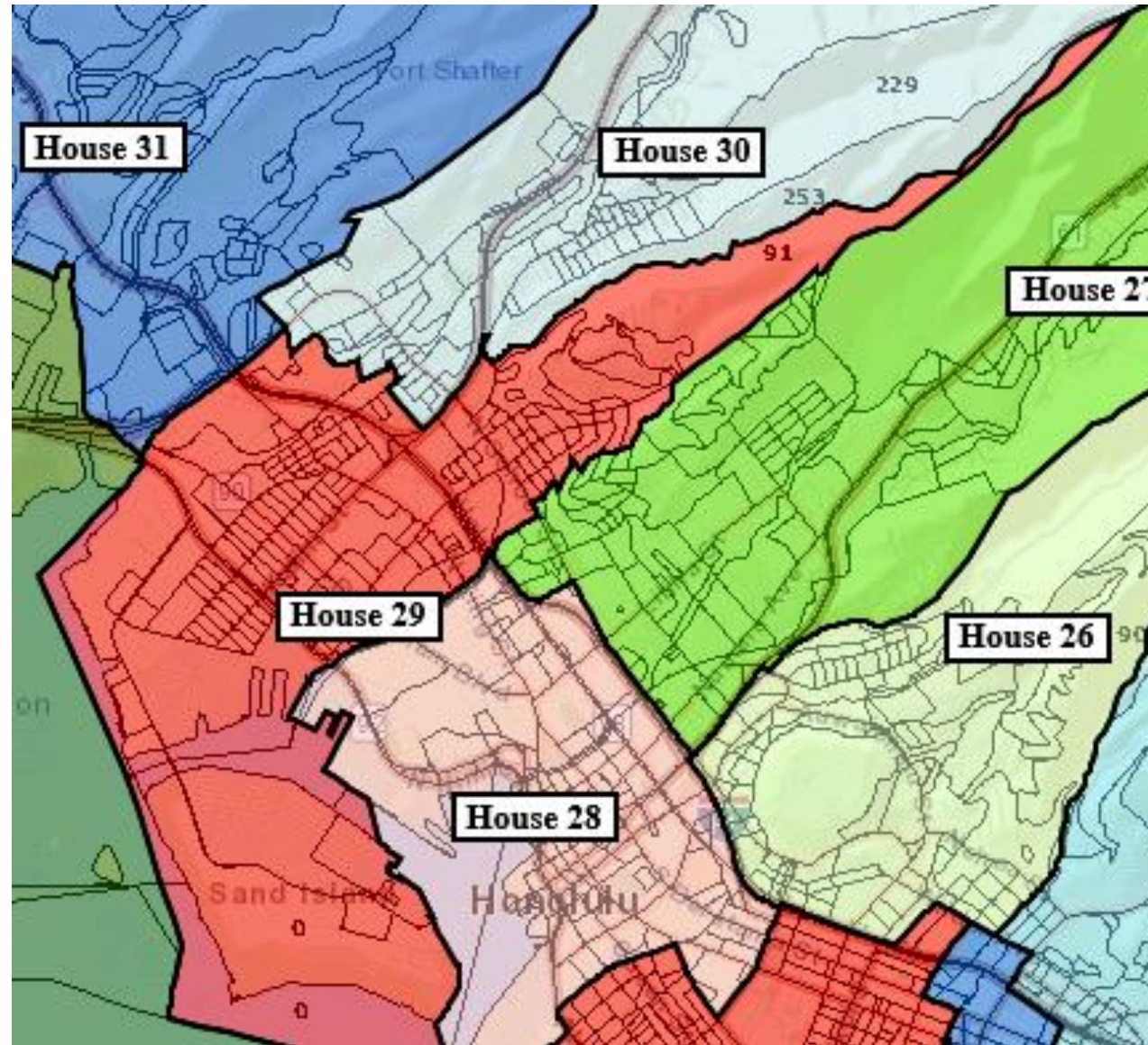
House District 27



Hicks Plan

(Deviation -127 people, -0.47%)

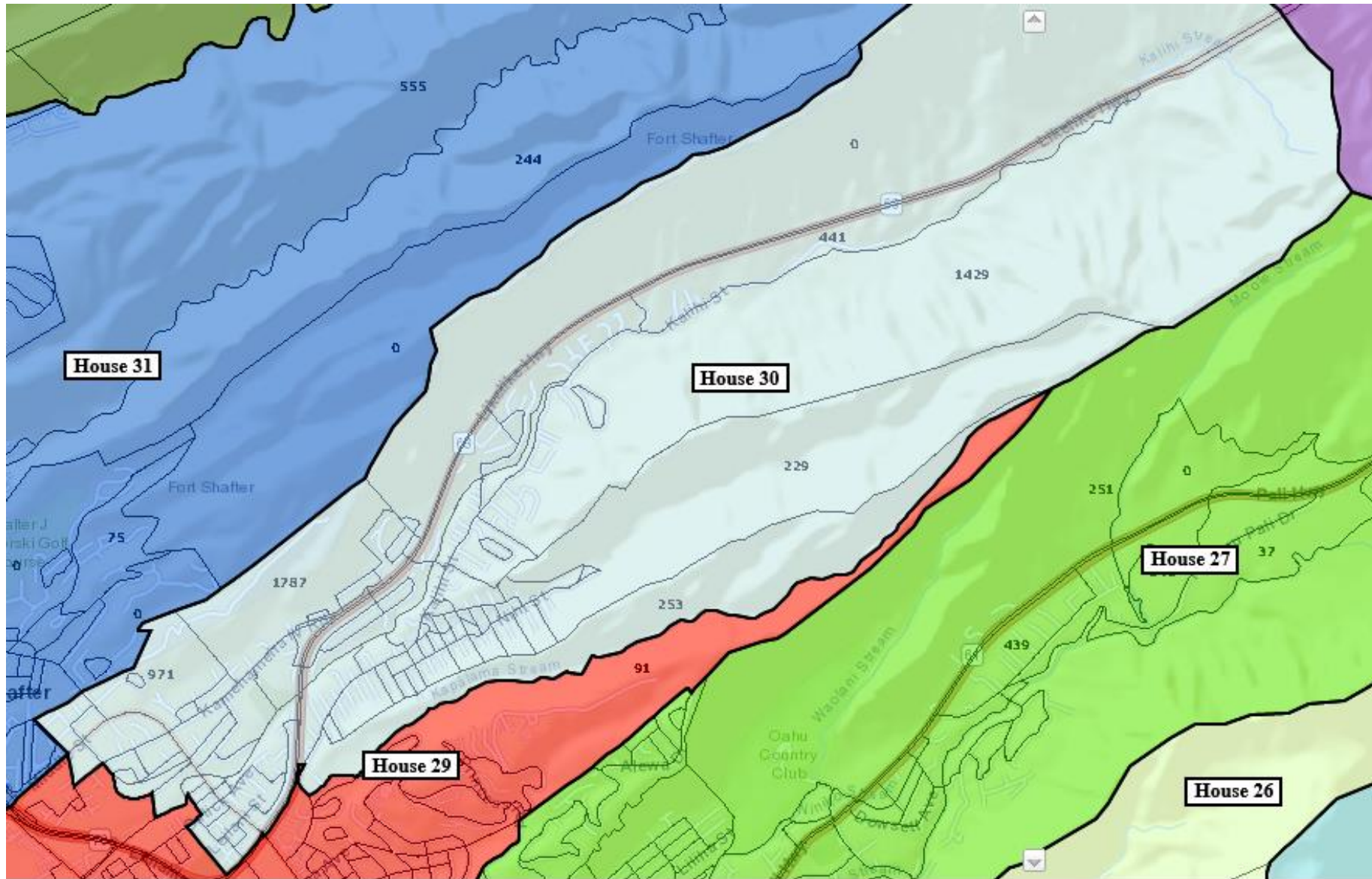
House District 28



Hicks Plan

(Deviation 214 people, 0.80%)

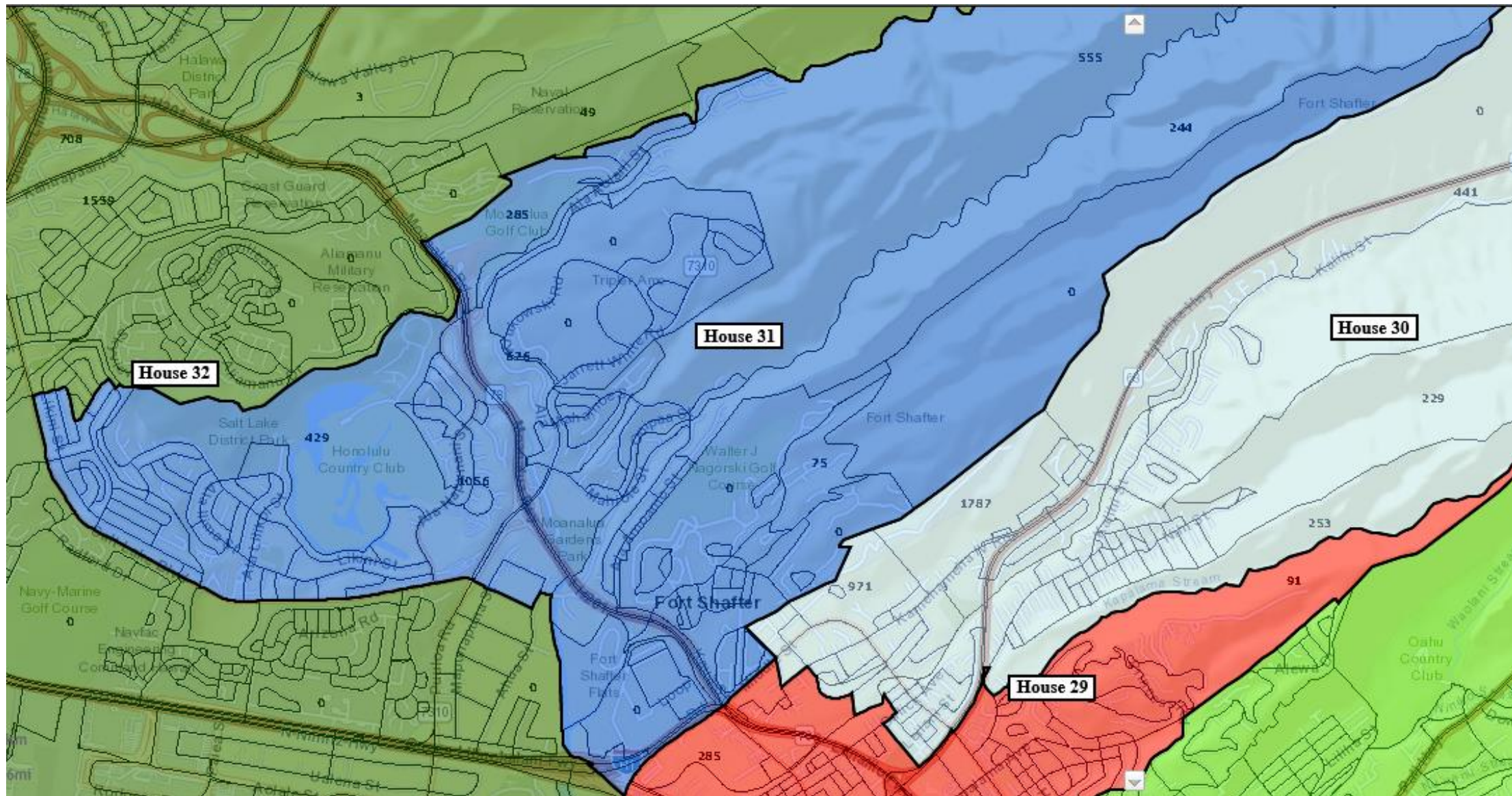
House District 29



Hicks Plan

(Deviation 54 people, 0.20%)

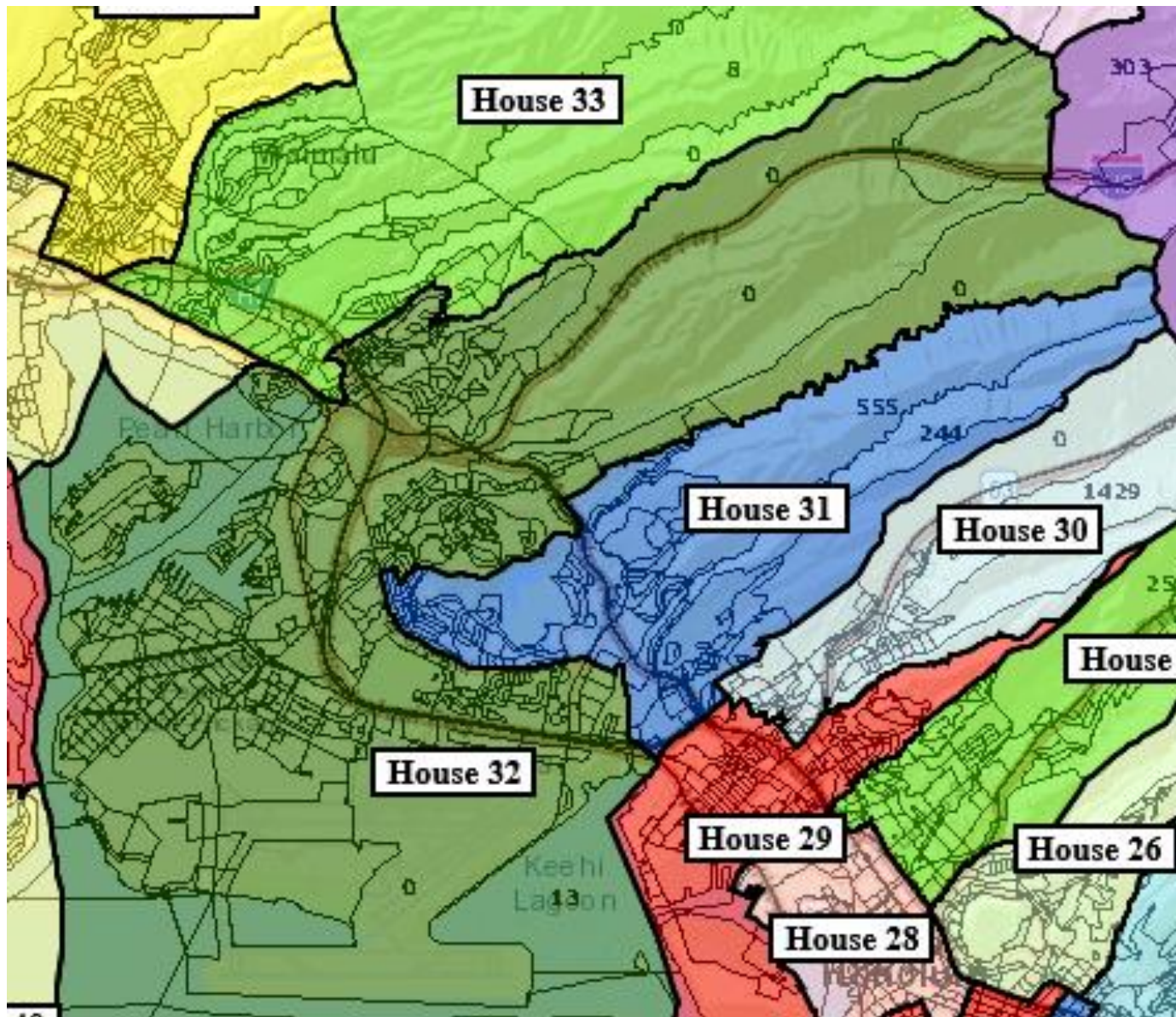
House District 30



Hicks Plan

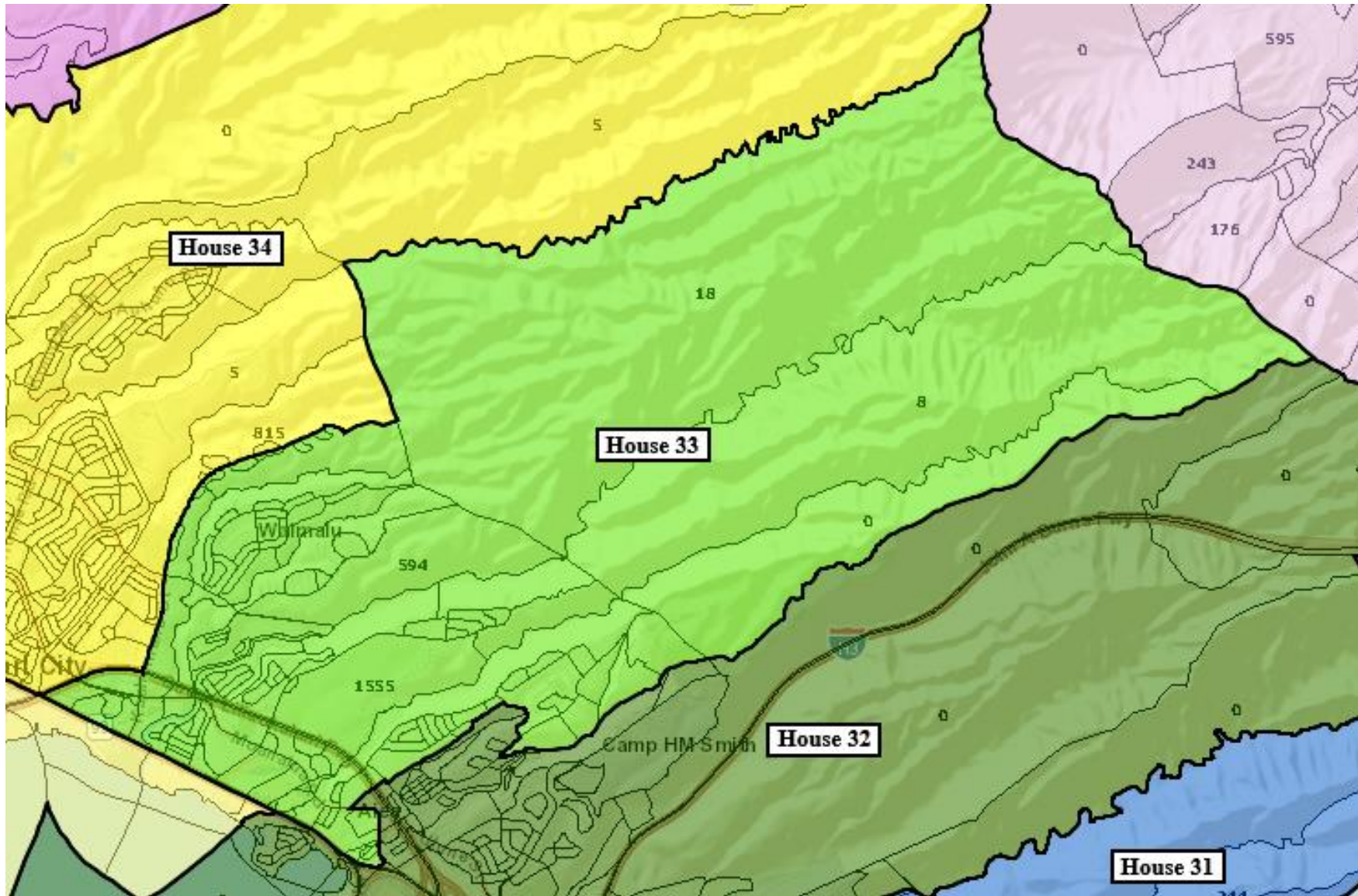
(Deviation -341 people, -1.27%)

House District 31

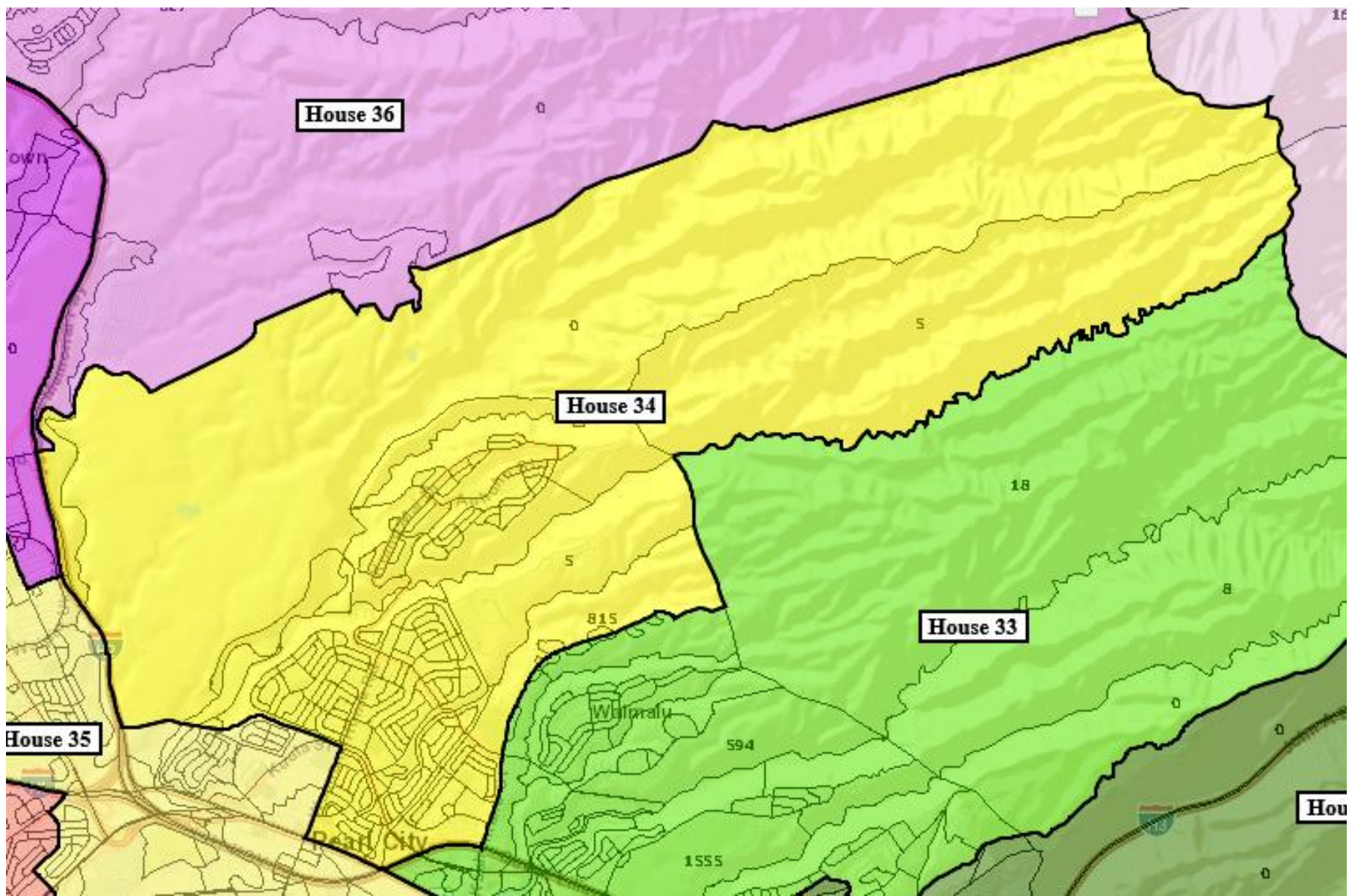


Hicks Plan (Deviation 220 people, 0.82%)

House District 32



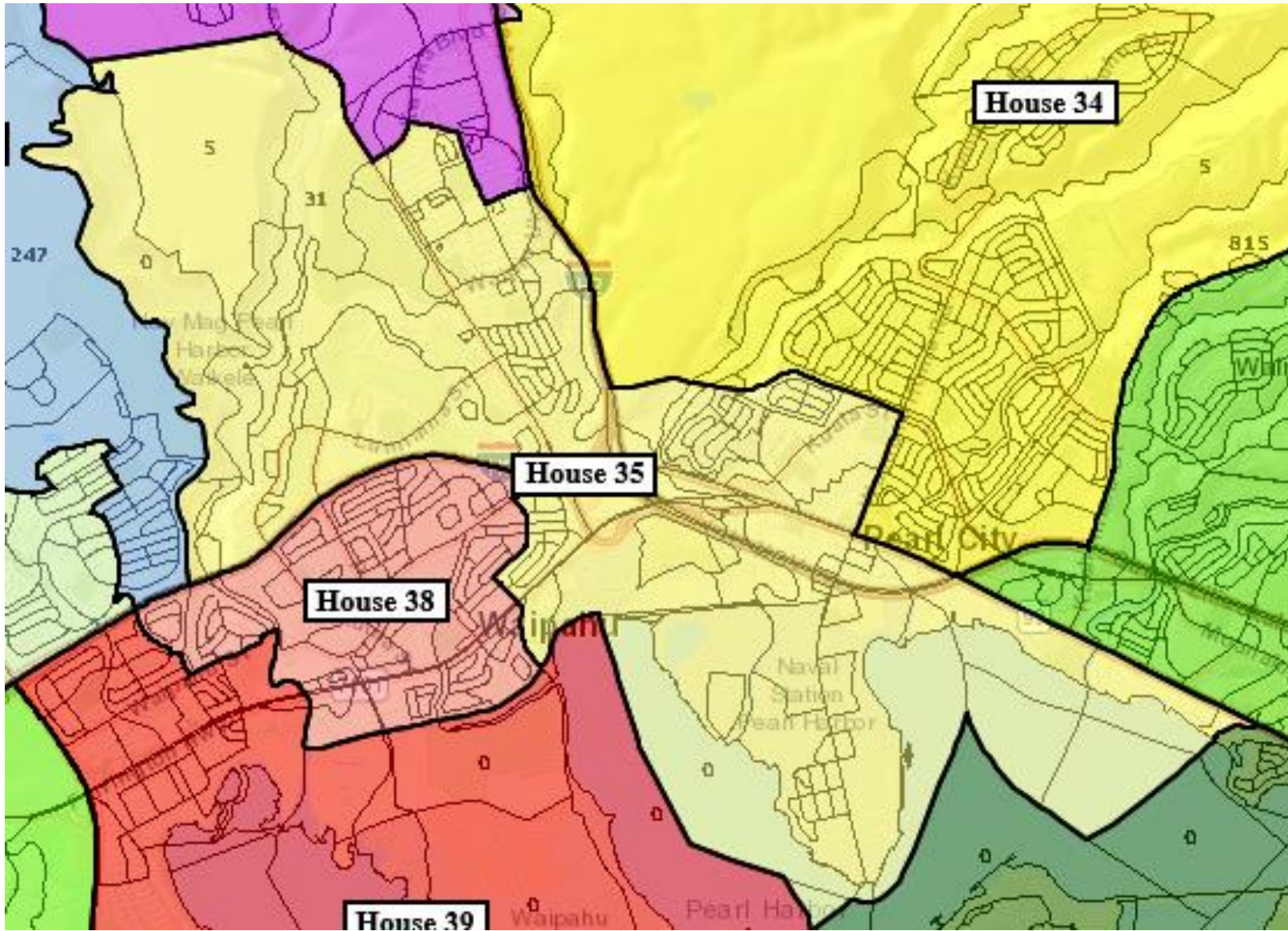
Hicks Plan (Deviation 295 people, 1.10%)
House District 33



Hicks Plan

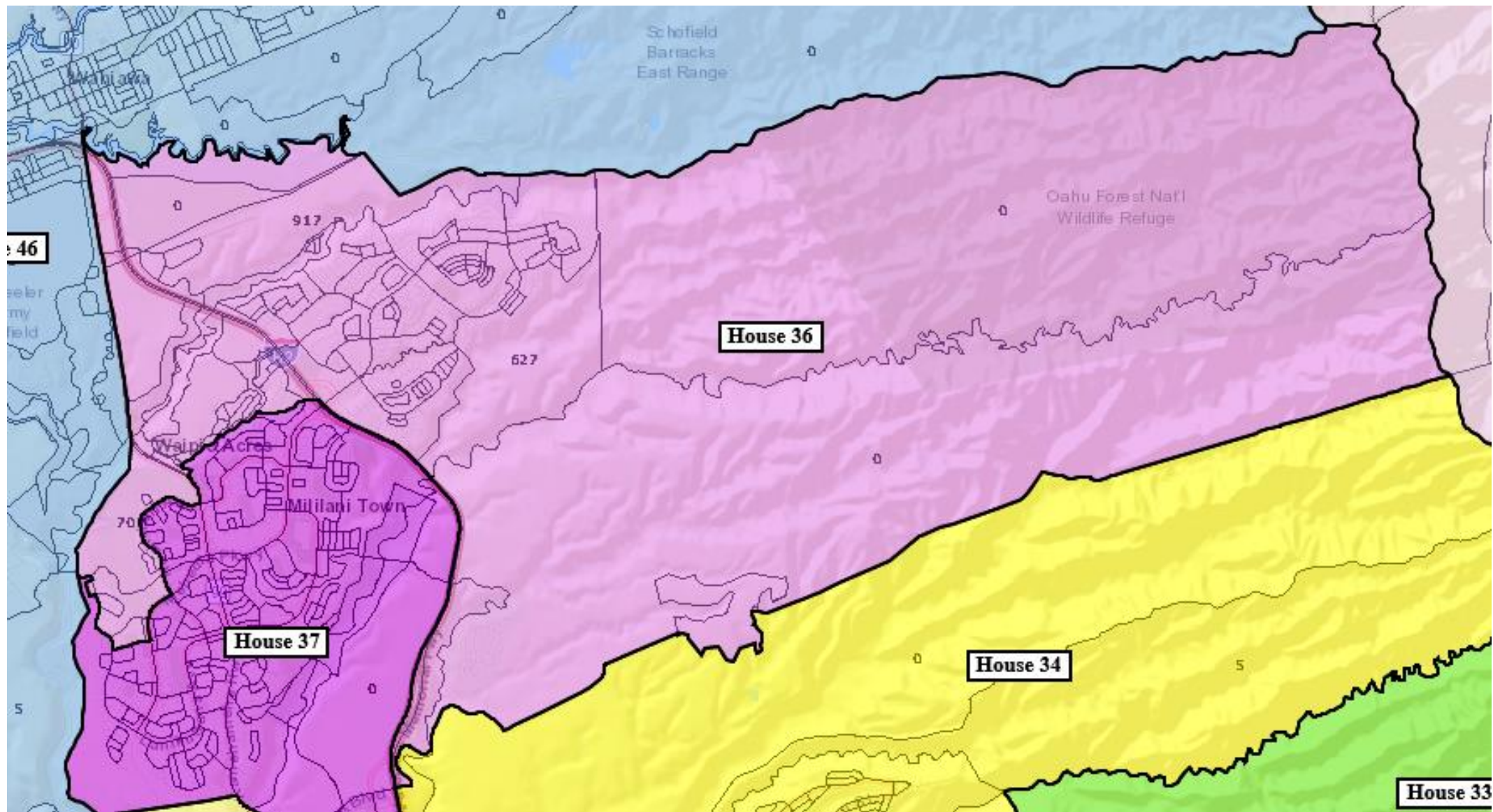
(Deviation 21 people, 0.08%)

House District 34



Hicks Plan (Deviation 316 people, 1.18%)

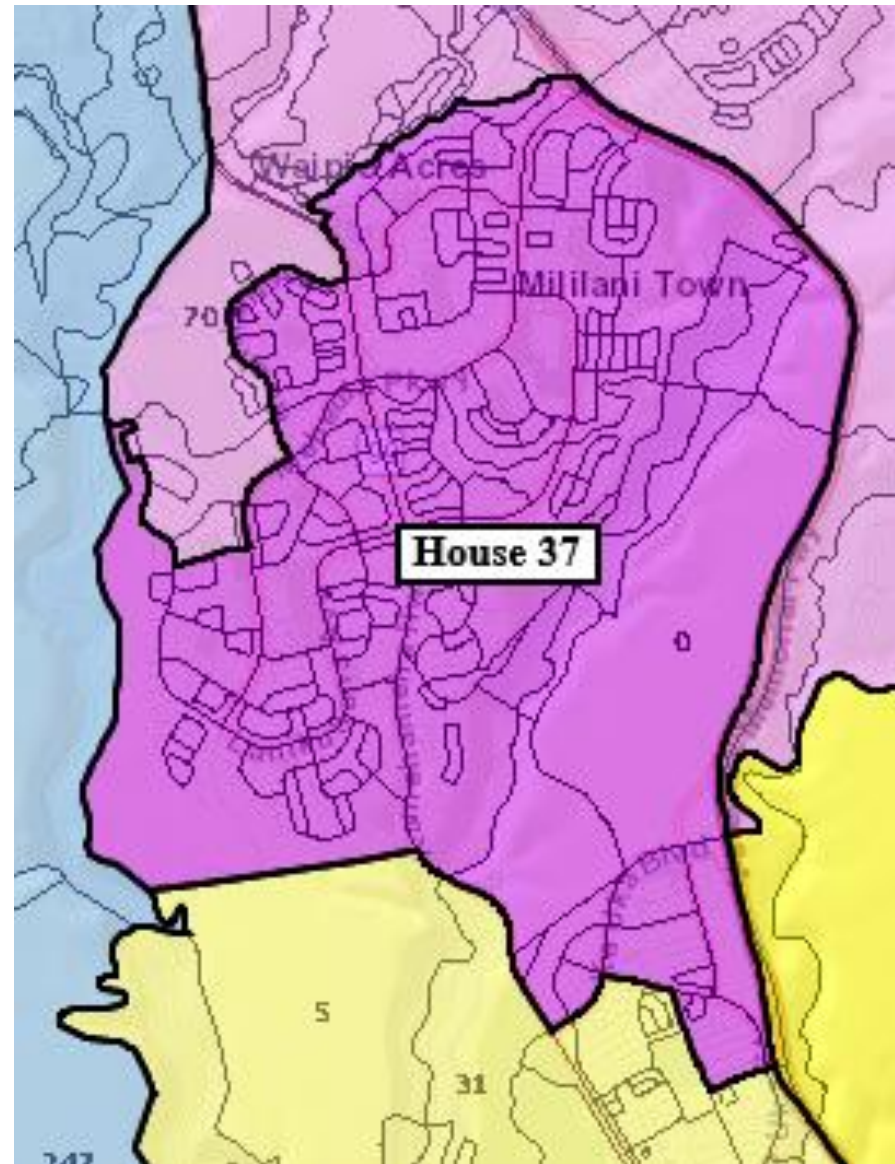
House District 35



Hicks Plan

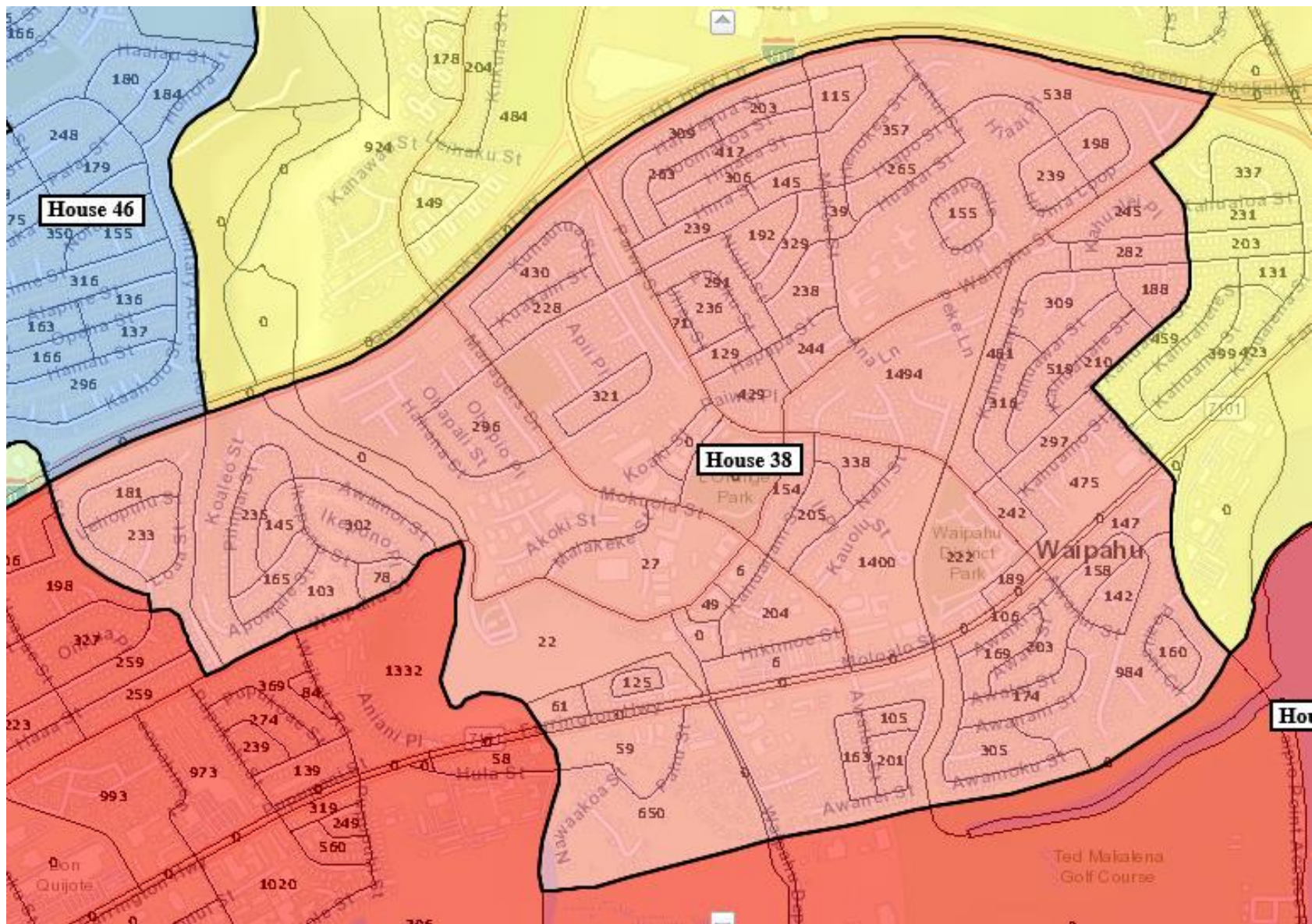
(Deviation 21 people, 0.08%)

House District 36



Hicks Plan (Deviation -29 people, -0.11%)

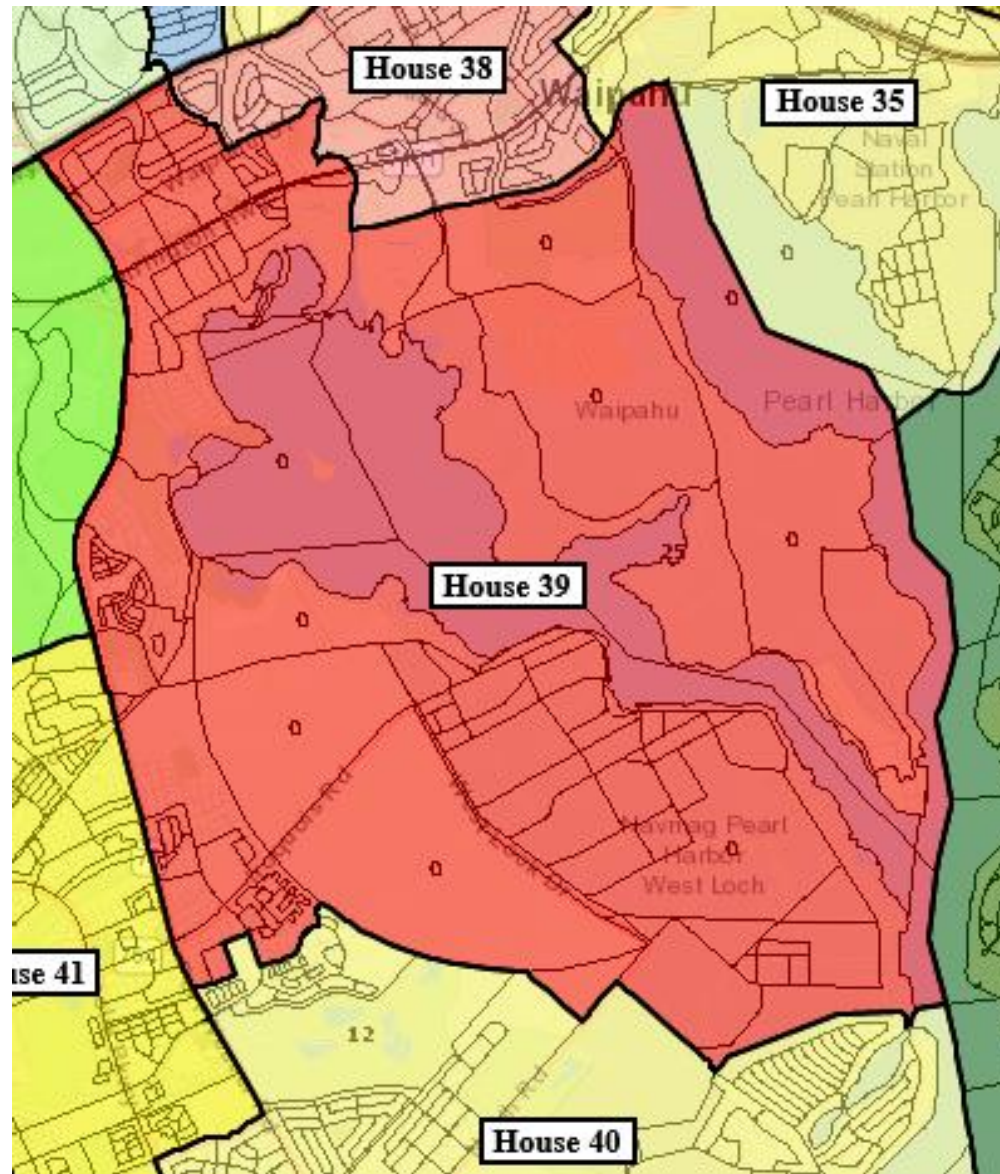
House District 37



Hicks Plan

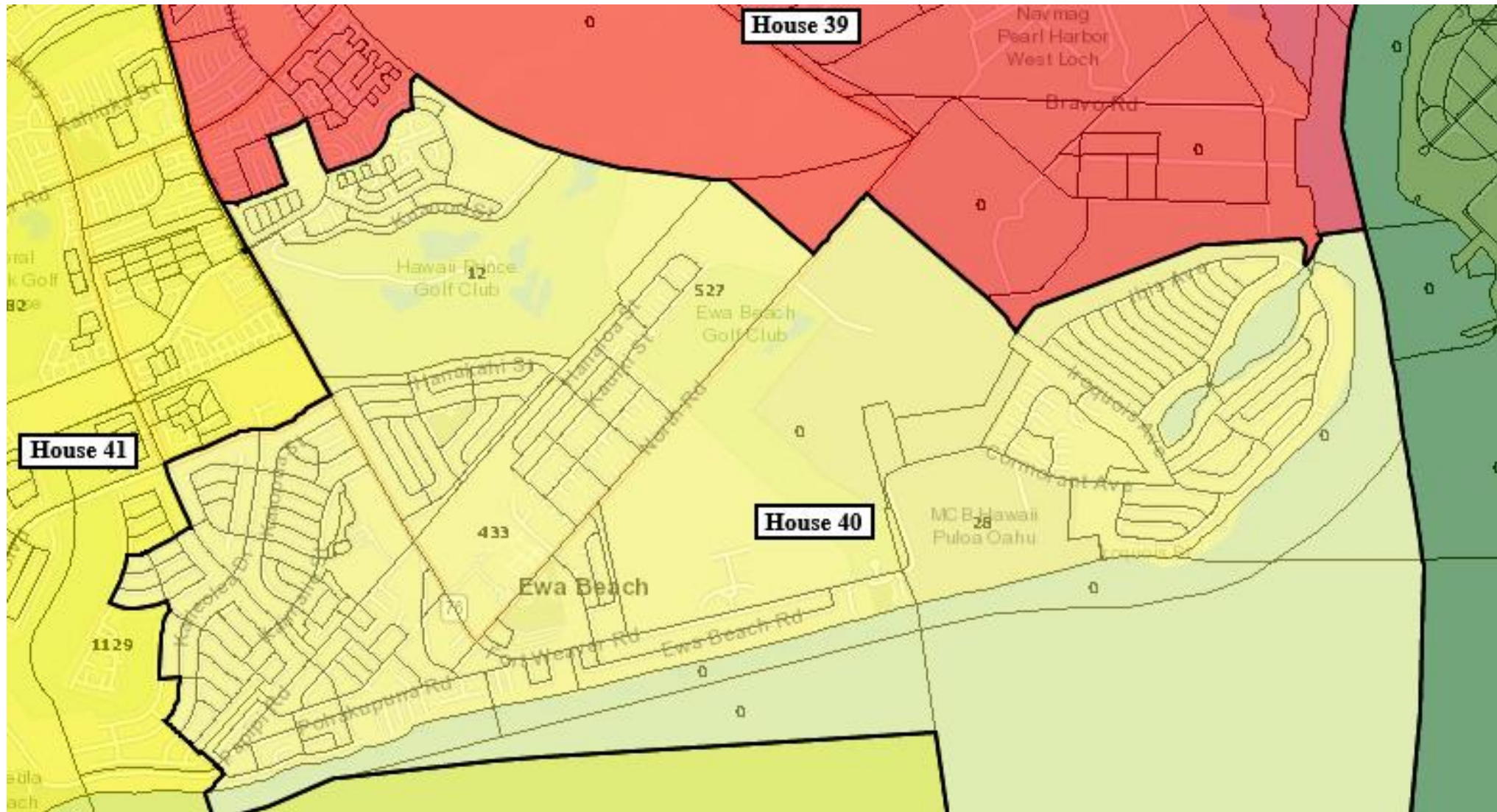
(Deviation -327 people, -1.22%)

House District 38



Hicks Plan (Deviation -29 people, -0.11%)

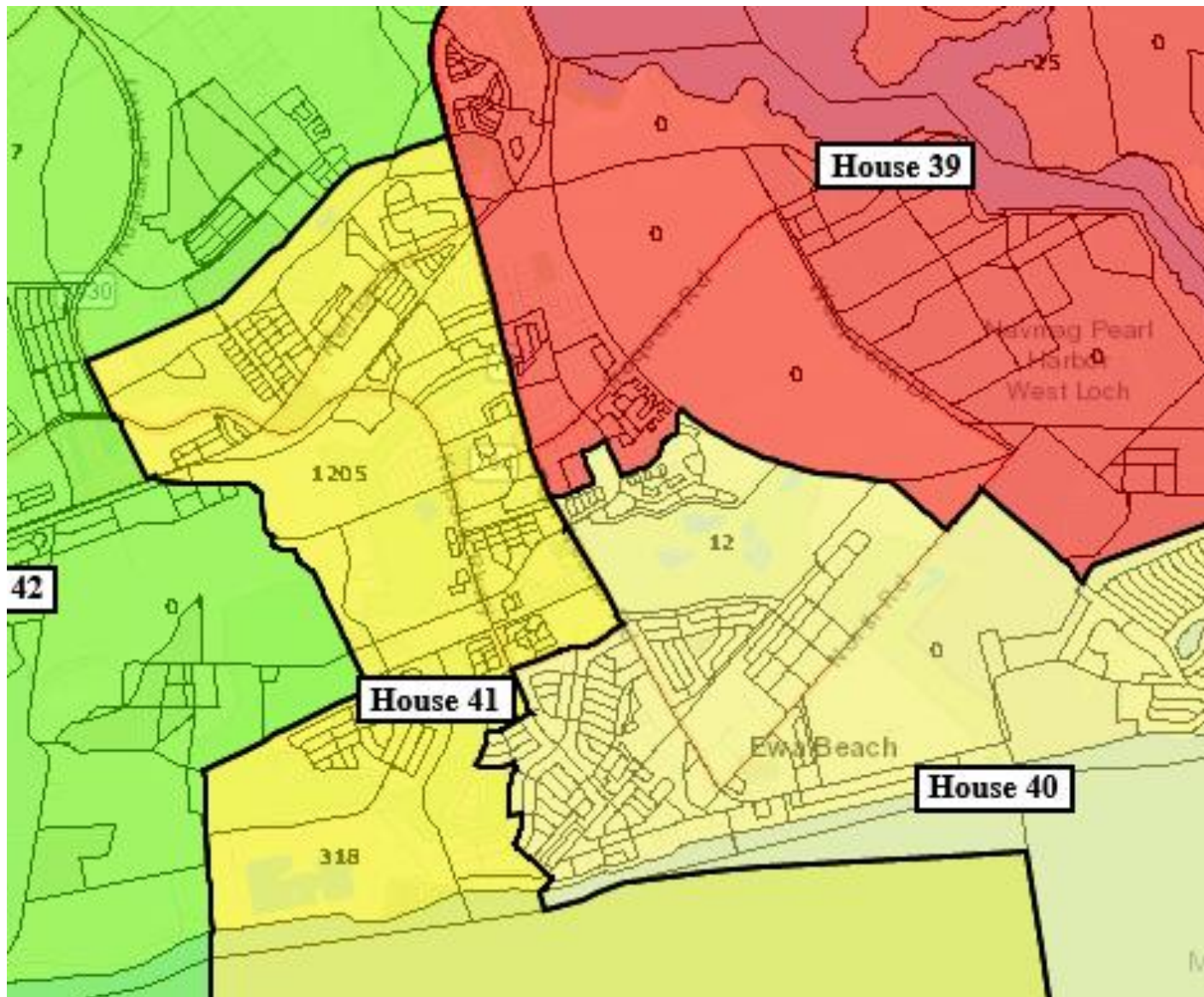
House District 39



Hicks Plan

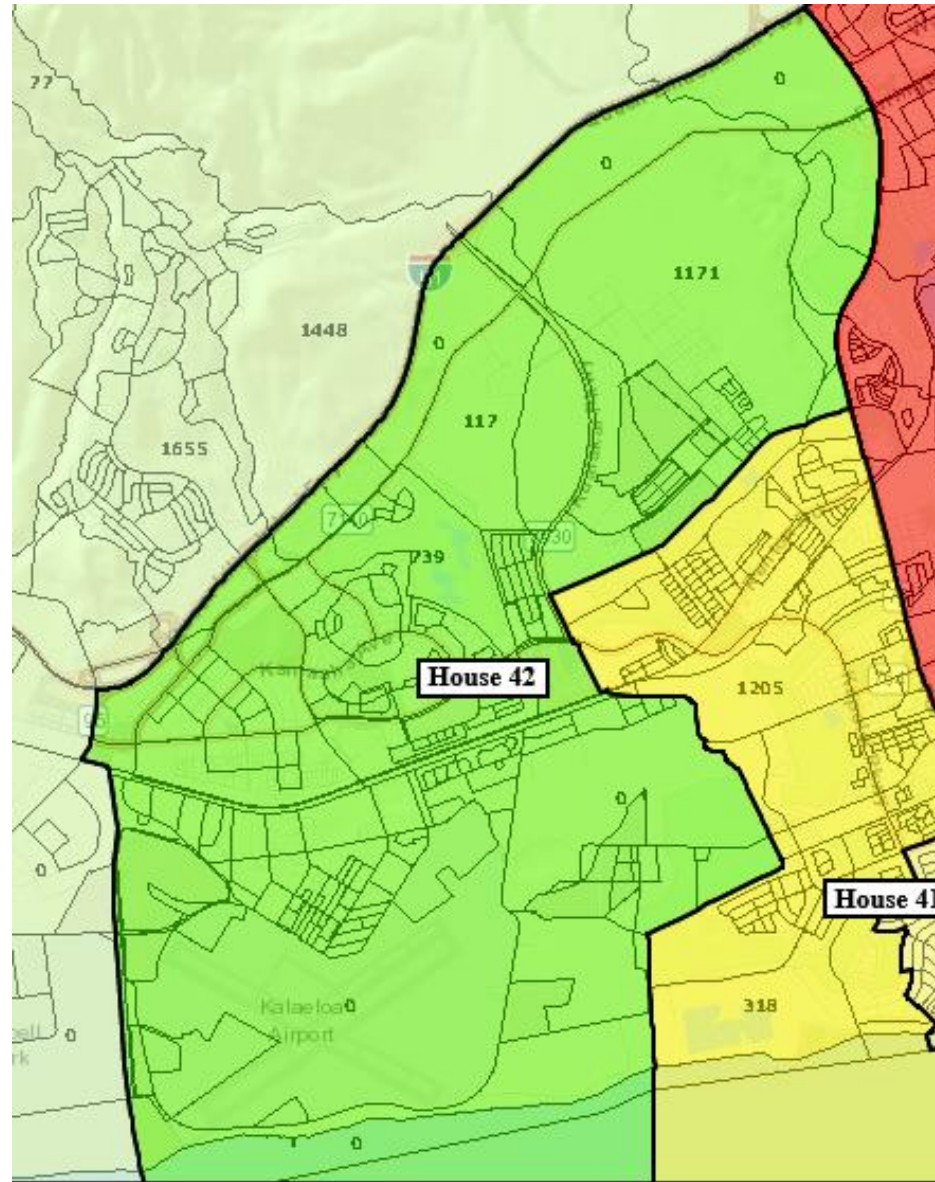
(Deviation -89 people, -0.33%)

House District 40



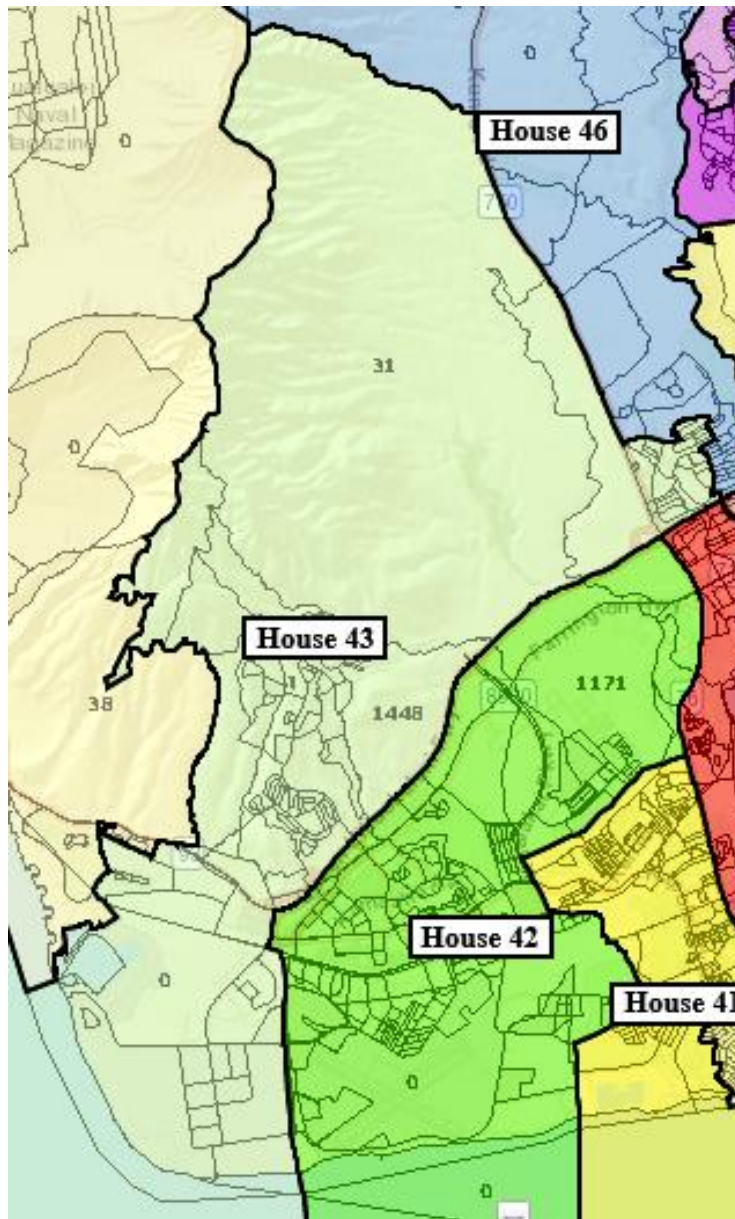
Hicks Plan (Deviation 116 people, 0.43%)

House District 41



Hicks Plan (Deviation 111 people, 0.41%)

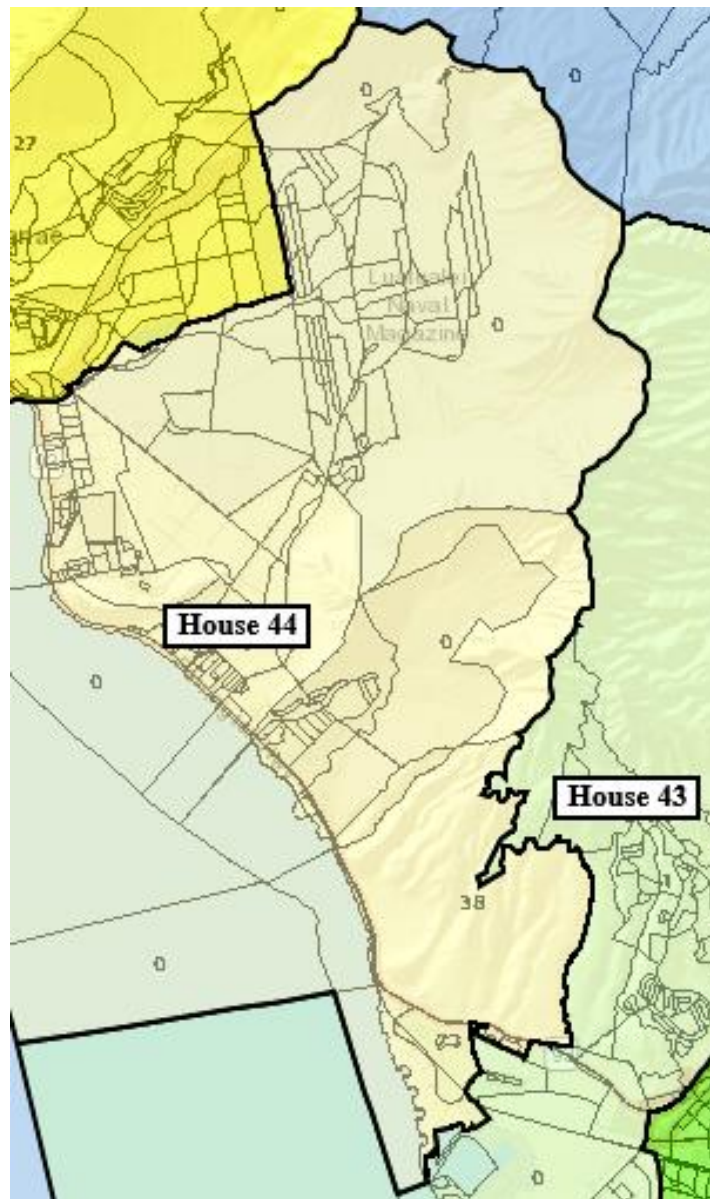
House District 42



CD 1/CD 2 boundary is the same as HD 42/HD 43 boundary, which constrains options with HD 43.

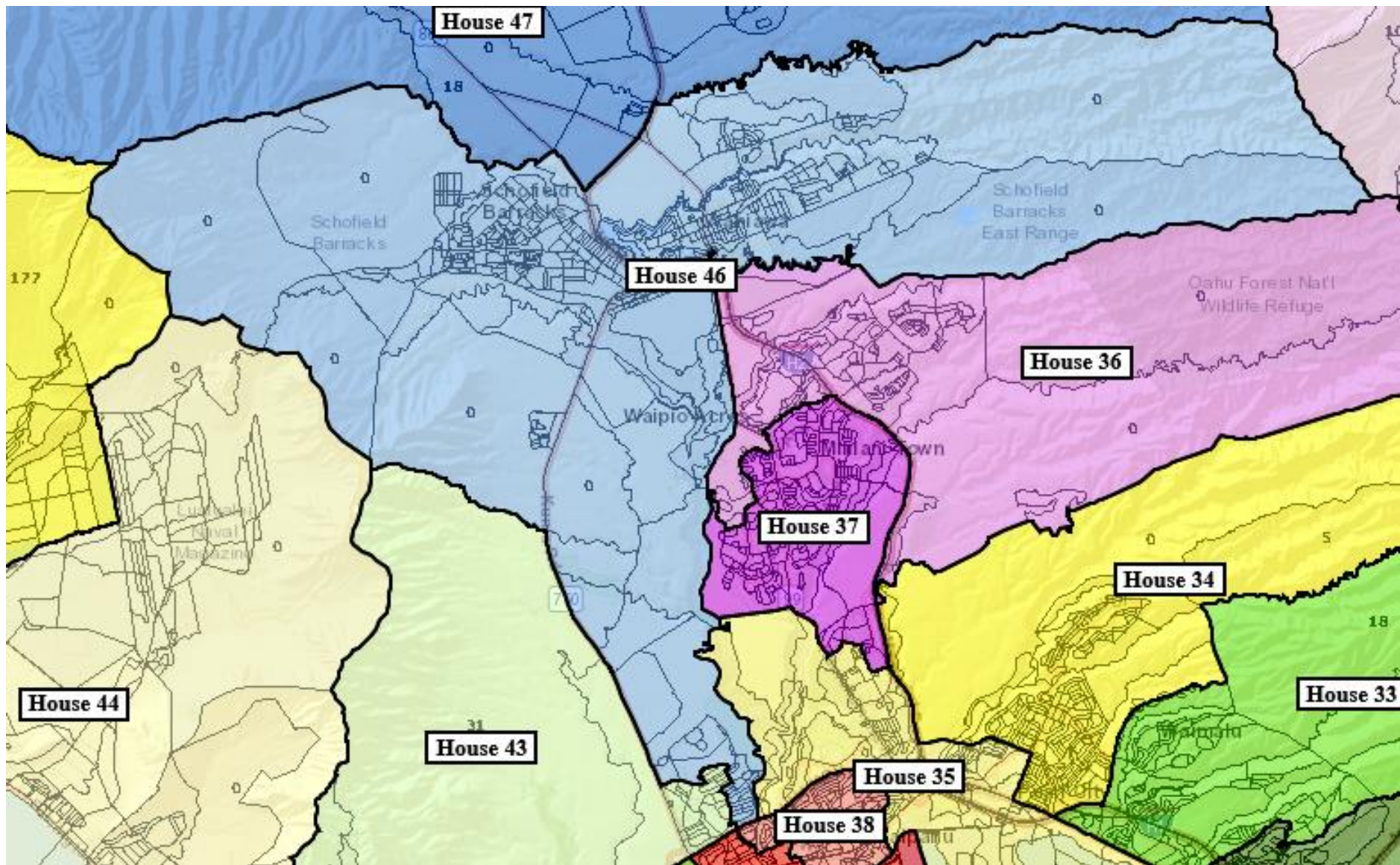
Hicks Plan (Deviation 170 people, 0.63%)

House District 43



Hicks Plan (Deviation -346 people, -1.29%)

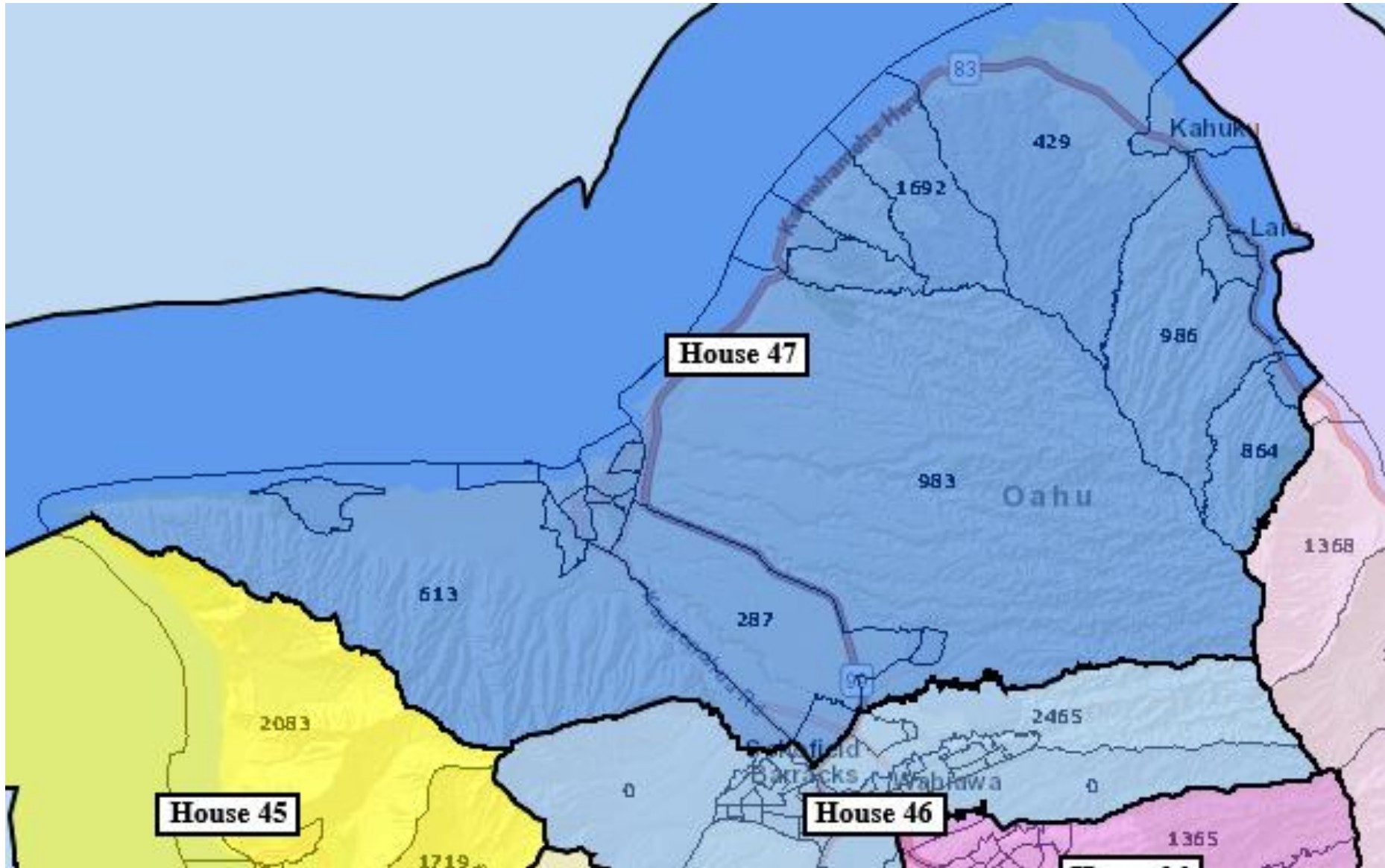
House District 44



Hicks Plan

(Deviation -4 people, -0.01%)

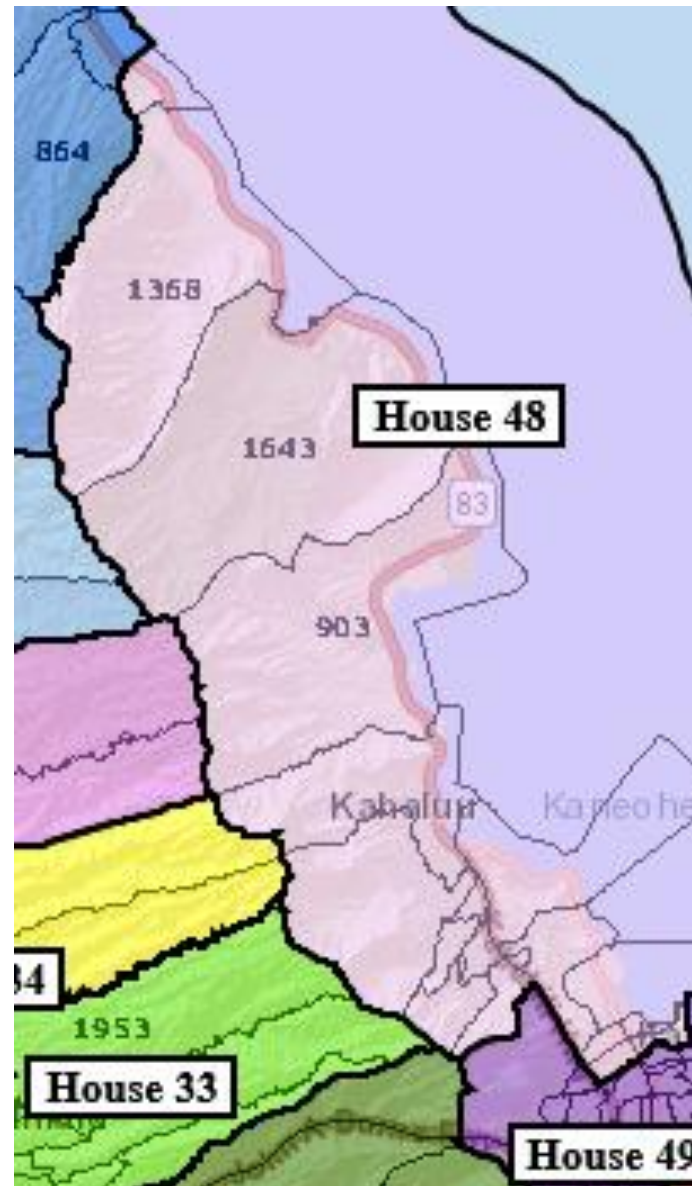
House District 46



Hicks Plan

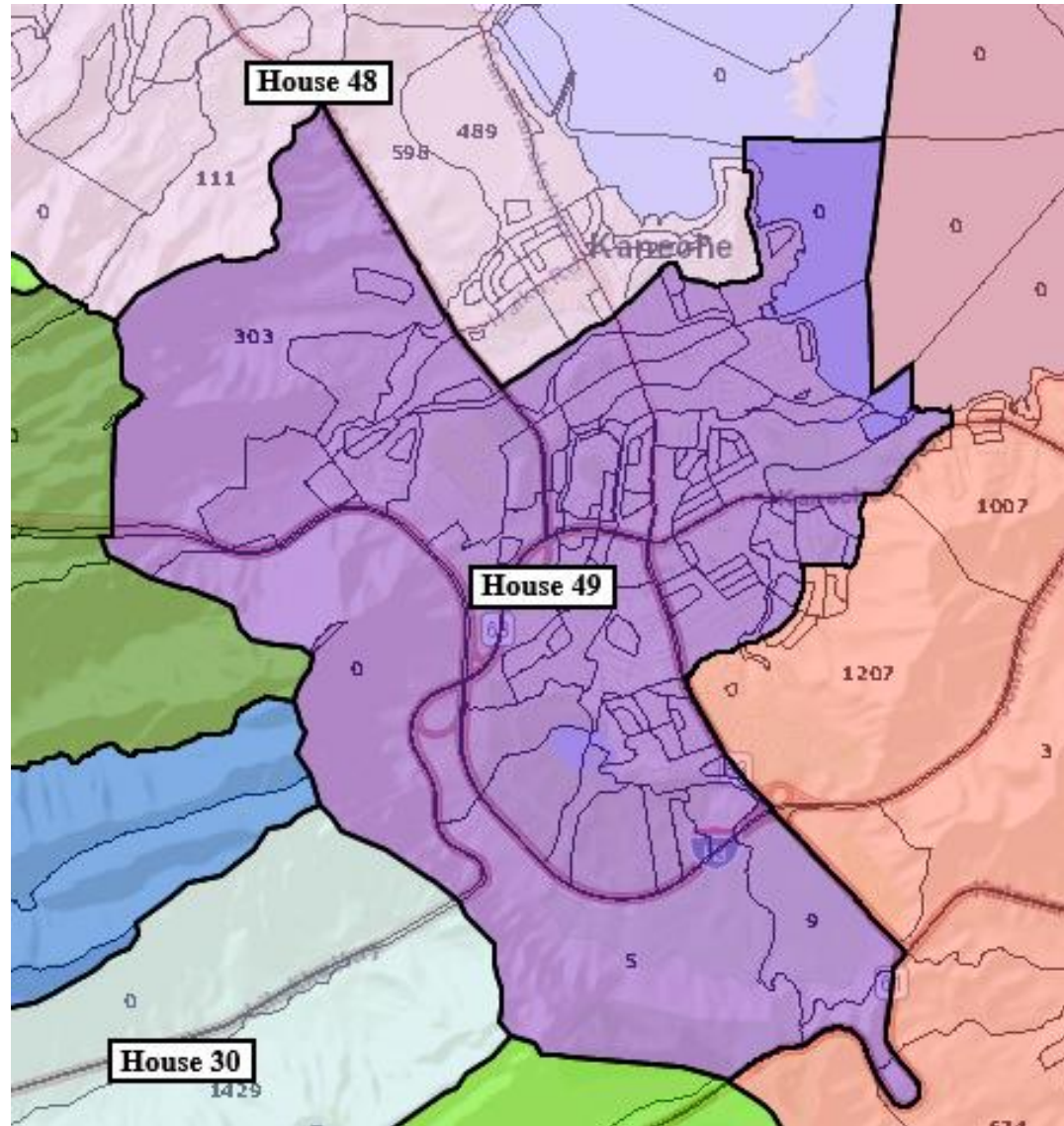
(Deviation -5 people, -0.02%)

House District 47



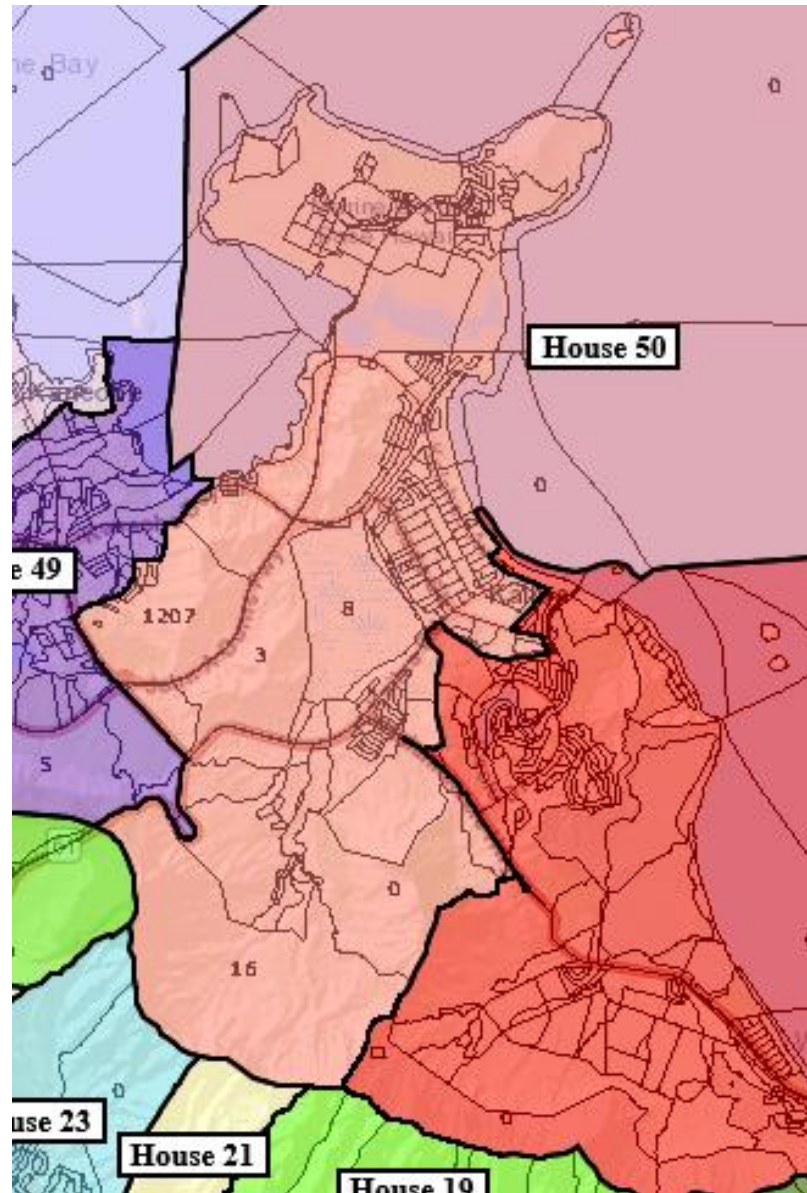
Hicks Plan (Deviation -203 people, -0.76%)

House District 48



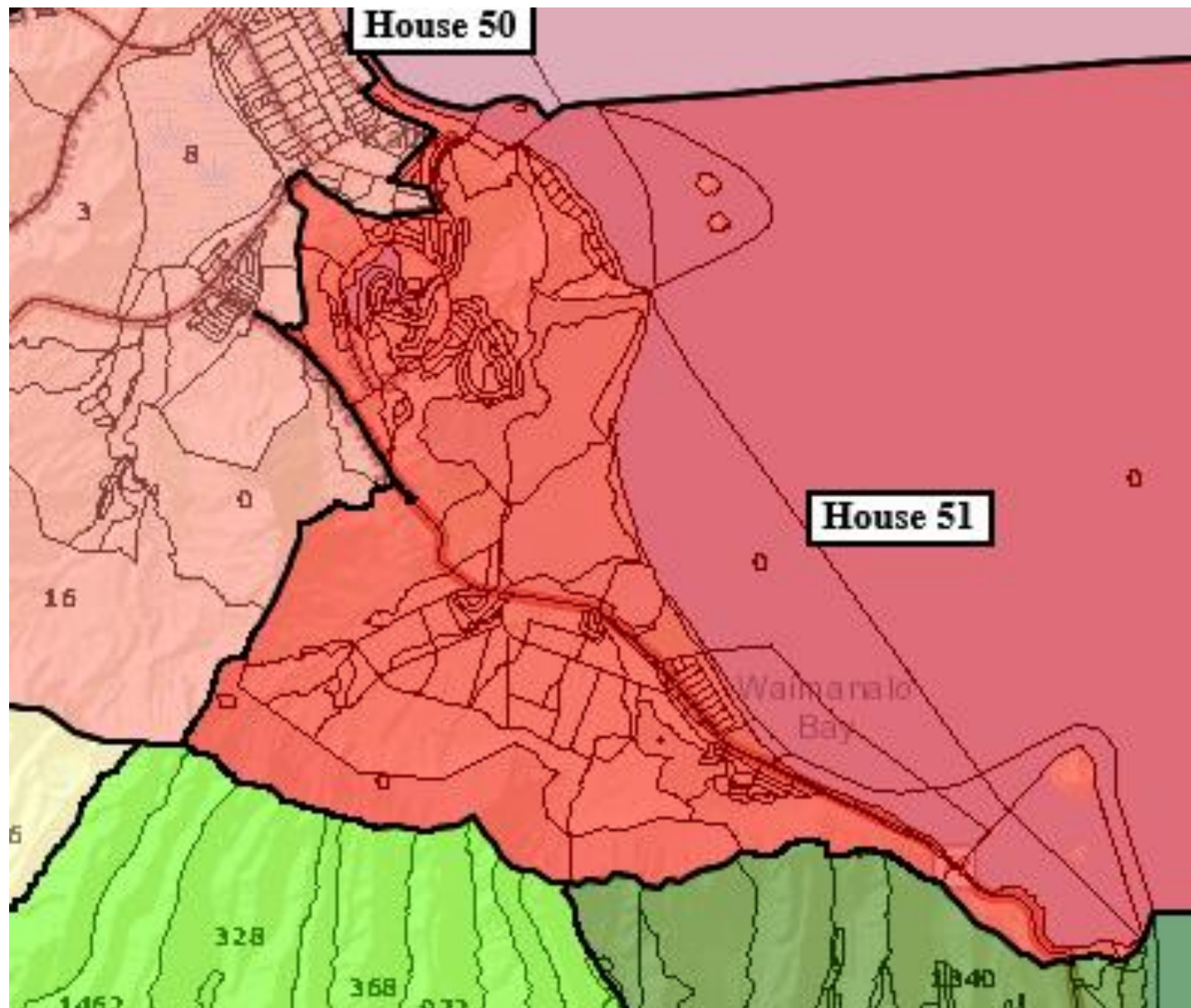
Hicks Plan (Deviation -12 people, -0.04%)

House District 49



Hicks Plan (Deviation 55 people, 0.21%)

House District 50



Hicks Plan (Deviation 11 people, 0.04%)

House District 51

Bill Hicks Oahu Senate Plan

Using 12/31 Extraction Data

Bill Hicks

January 9, 2022

This Oahu Senate Plan Complies With All Constitutional and HRS Requirements

Constitution Article IV Section 6:

- “...the average number of permanent residents in each district is as nearly equal to the average for the basic island unit as practicable.” YES - Total Deviation only 1.96% (Tech Committee 12/17 Plan was 7.93%)
- “...districts shall be contiguous.” YES
- “...districts shall be compact.” YES
- “...district lines shall follow permanent and easily recognized features, such as streets, streams and clear geographical features...” YES – incl. Makapu’u Point (Tech Committee 12/17 Plan did not for HD 51 or SD 25)
- “...representative districts shall be wholly included within senatorial districts.” YES – ALL of them (Tech Committee 12/17 Plan only 11 House Districts were; 4 HDs crossed 4 SDs, 7 crossed 3 SDs, and 13 crossed 2 SDs...put another way, there was one SD that crossed the boundaries of 7 HDs!)
- “...submergence of an area in a larger district wherein substantially different socio-economic interests predominate shall be avoided.” YES

Hawaii Revised Statutes Chapter 25 Section 2:

- “...state legislative districts shall be wholly included within congressional districts” YES – ALL of them except one SD. Using the Senate district target population, 12.5 Senate districts would be in CD1 and 4.5 Senate districts would be in CD2, therefore one SD must cross the CD1/CD2 boundary. All House districts are wholly within CD1 or CD2. (Tech Committee 12/17 Plan had 5 Senate Districts that crossed the CD1/CD2 boundary)

Methodology

“...the average number of permanent residents in each district is as nearly equal to the average for the basic island unit as practicable.”

- 26,780 is the Target Population for each Oahu House District and 53,560 for each Oahu Senate District
- Approach: Construct the House districts to achieve deviation within 400 people (1.5%) of the target, then use 2 HDs to form each SD (Accomplished – every SD individually was 1% or less)

“...state legislative districts shall be wholly included within congressional districts.”

- 669,605 of 910,521 (73.54%) live within CD1 and 240,916 (26.46%) within CD2.
- That works out to 25 HDs within CD1 (26,784 average) and 9 HDs within CD2 (26,768 average). There will be 12 SDs wholly within CD1, 4 SDs wholly within CD2, and 1 SD that must cross.
- Approach: Place 25 HDs wholly within CD 1 and 9 HDs wholly within CD 2 -- and 16 of 17 SDs wholly within CD1 or CD2, with one SD crossing of necessity (Accomplished)

Methodology (continued)

“...districts shall be contiguous...compact...follow permanent and easily recognized features, such as streets, streams and clear geographical features...”

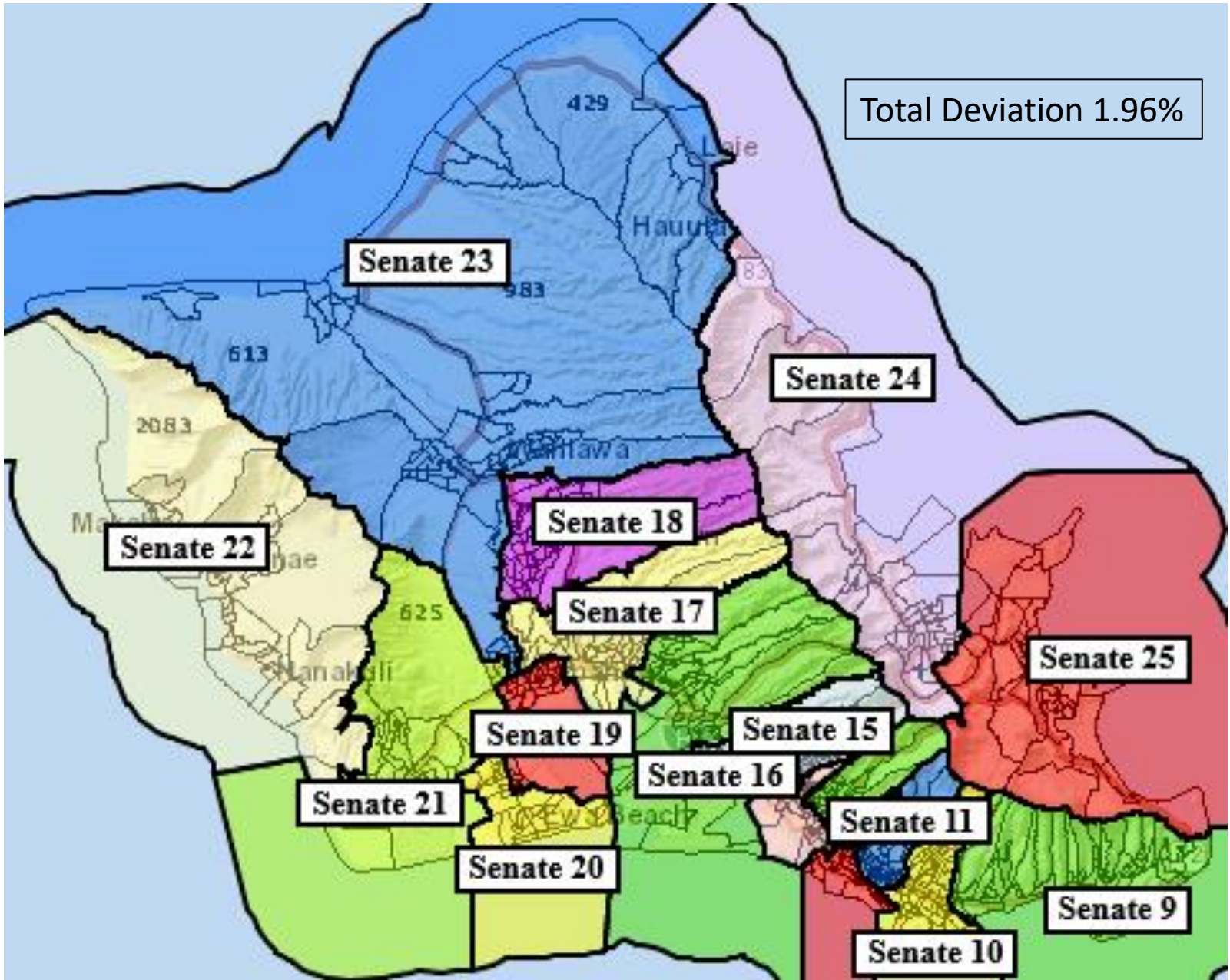
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“...representative districts shall be wholly included within senatorial districts”.

- Approach: Construct House districts first as they have better granularity. Then join 2 House districts to form 1 Senate district. There will be greater synergy with every representative only needing to coordinate with one senator (the commission’s plan was up to 4 senators) and every senator only needing to coordinate with 2 representatives (the commission’s plan was up to 7 representatives). (Accomplished)

Methodology (continued)

This alternative “Hicks Plan” is preliminary as of 1/9/22. It is being submitted to all Neighborhood Board Chairs for review and local suggestions. (In progress)

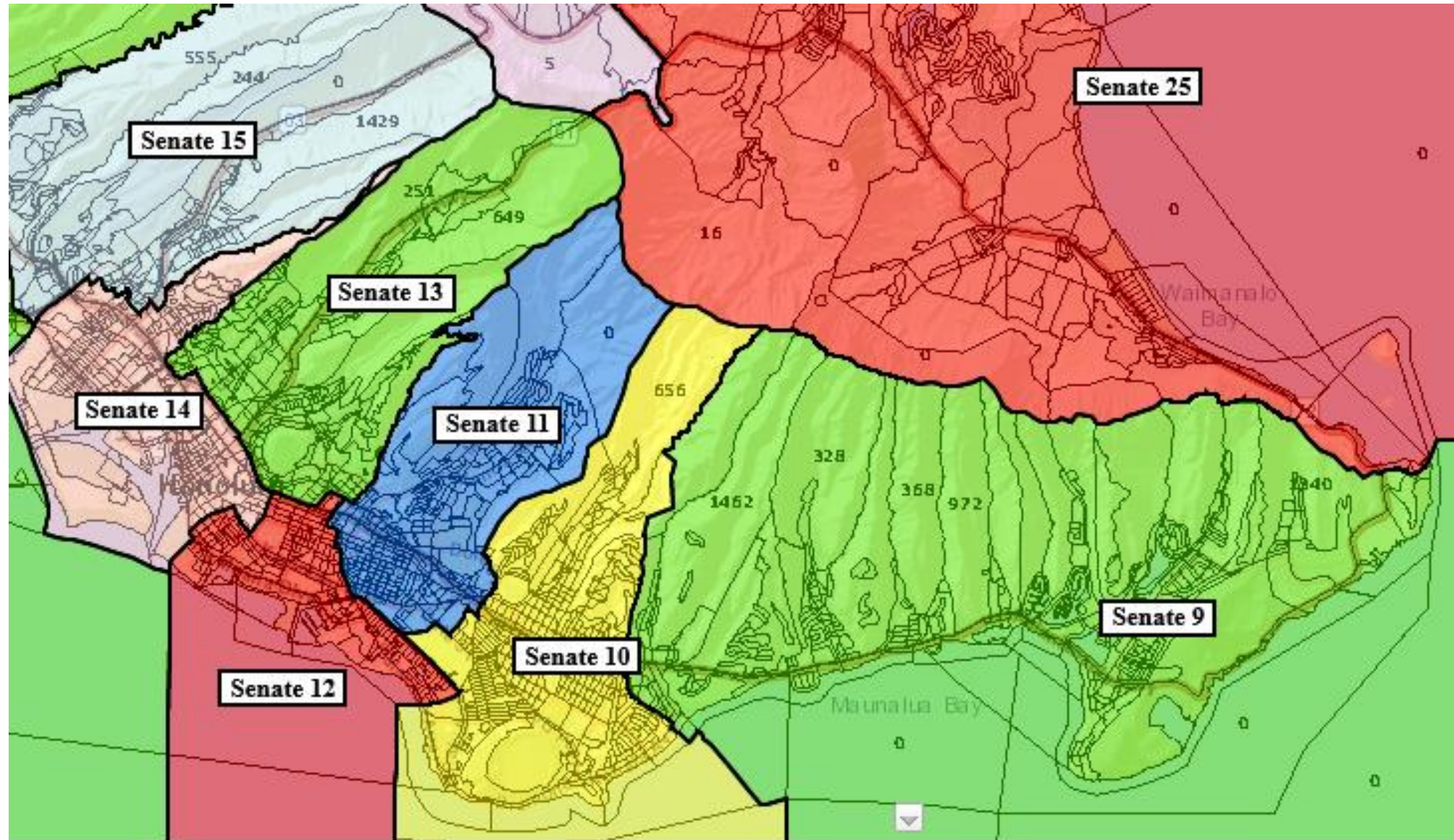


Hicks Plan w/12/31/21 Extraction Data

SD	Deviation	%
9	74	0.14%
10	536	1.00%
11	-110	-0.21%
12	-513	-0.96%
13	-308	-0.58%
14	- 41	-0.08%
15	-159	-0.30%
16	515	0.96%
17	337	0.63%
18	- 8	-0.01%
19	-356	-0.66%
20	27	0.05%
21	281	0.52%
22	-116	-0.22%
23	- 9	-0.02%
24	-215	-0.40%
25	66	0.12%

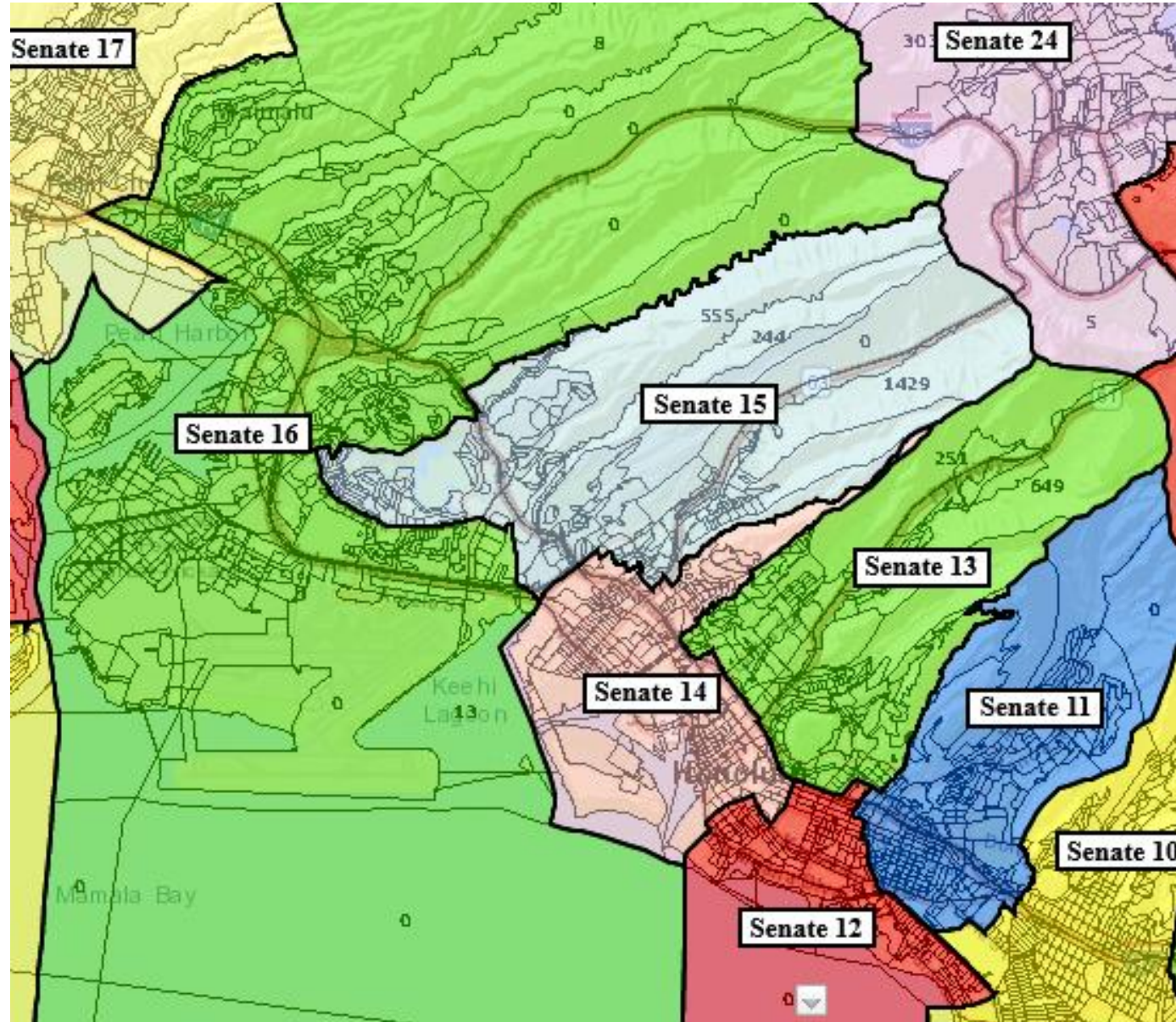
Bill Hicks Proposal

East Honolulu Overview

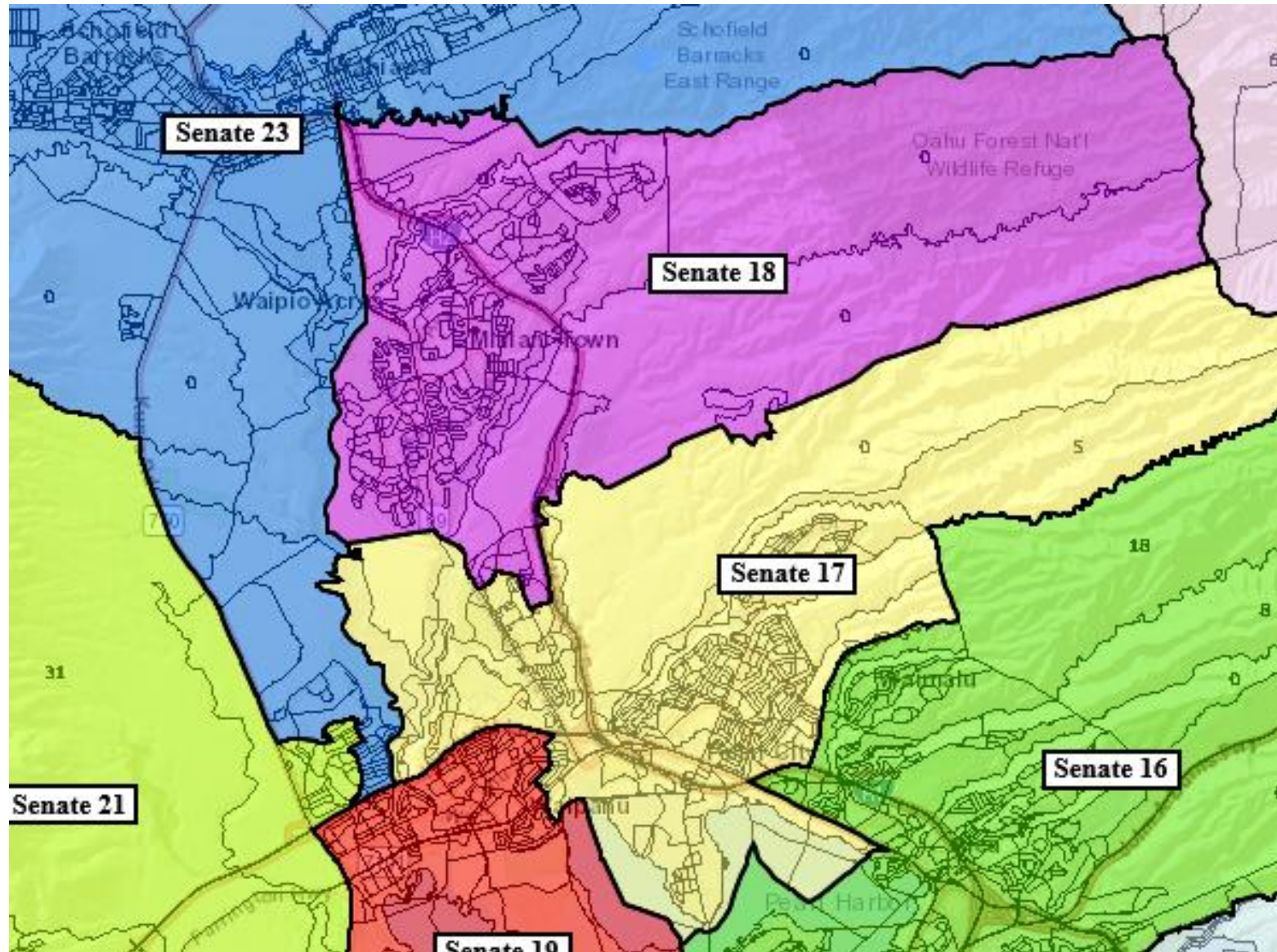


Hicks Plan

Downtown Overview

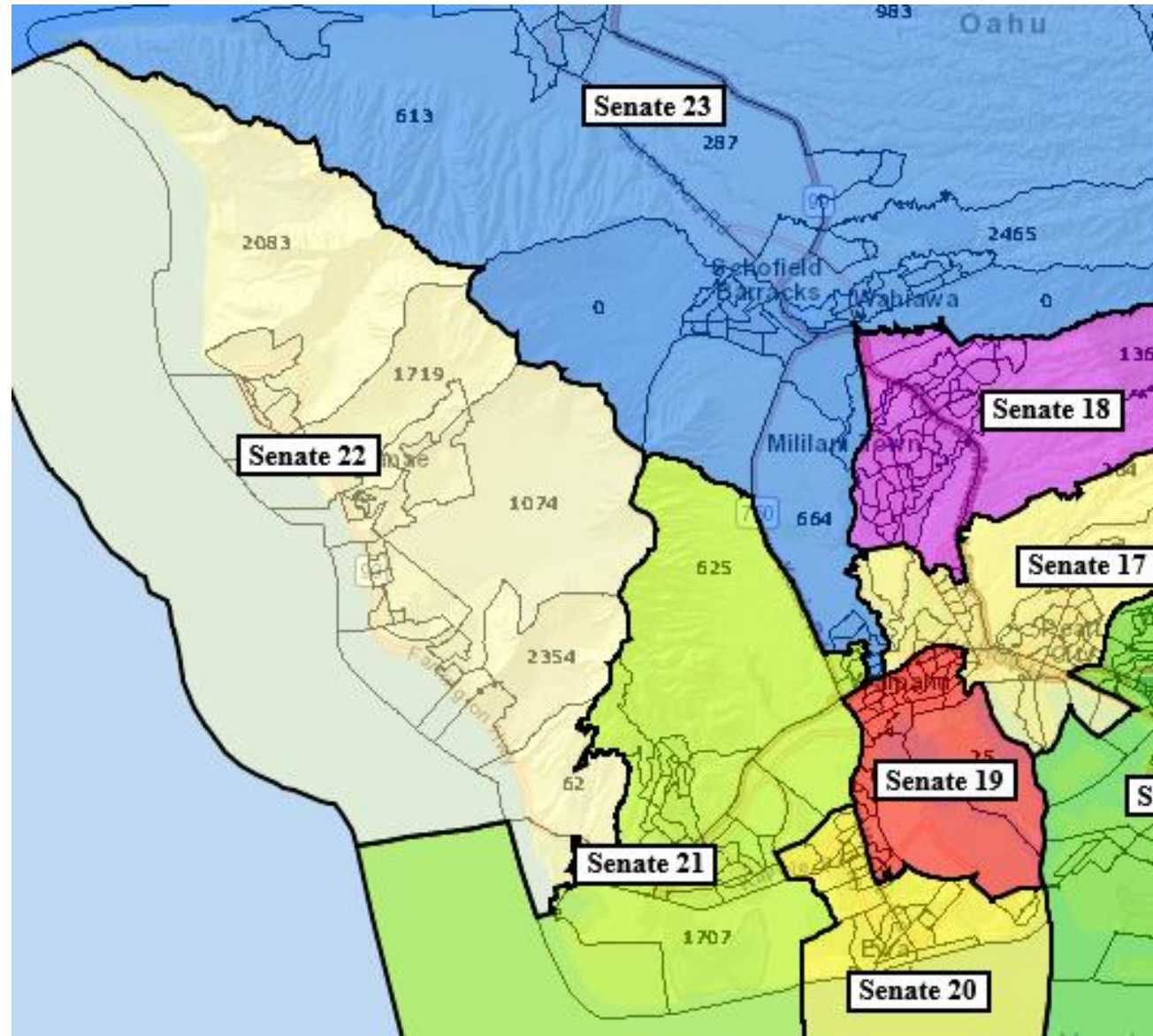


Central Oahu Overview



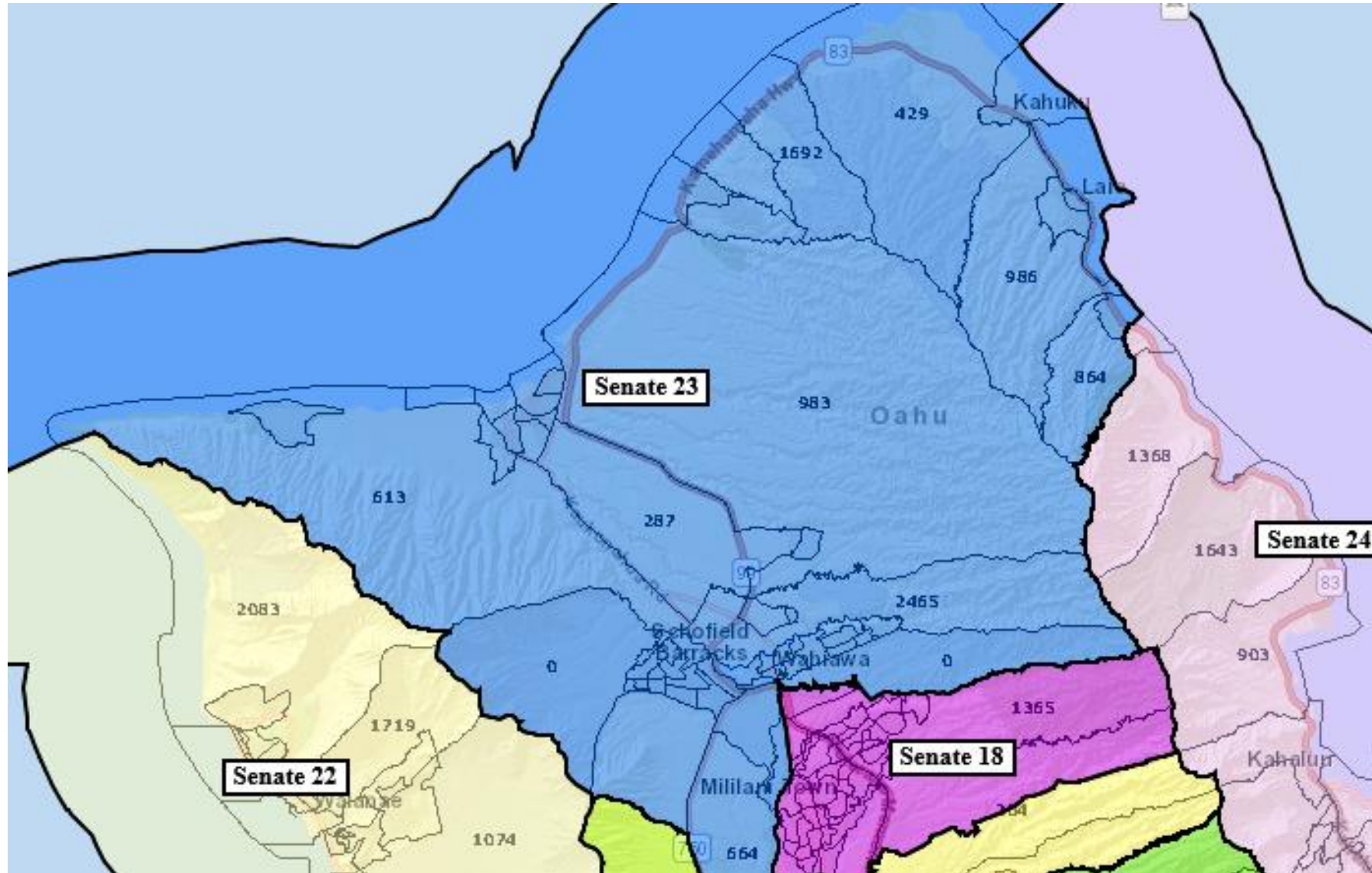
Hicks Plan

Leeward Oahu Overview



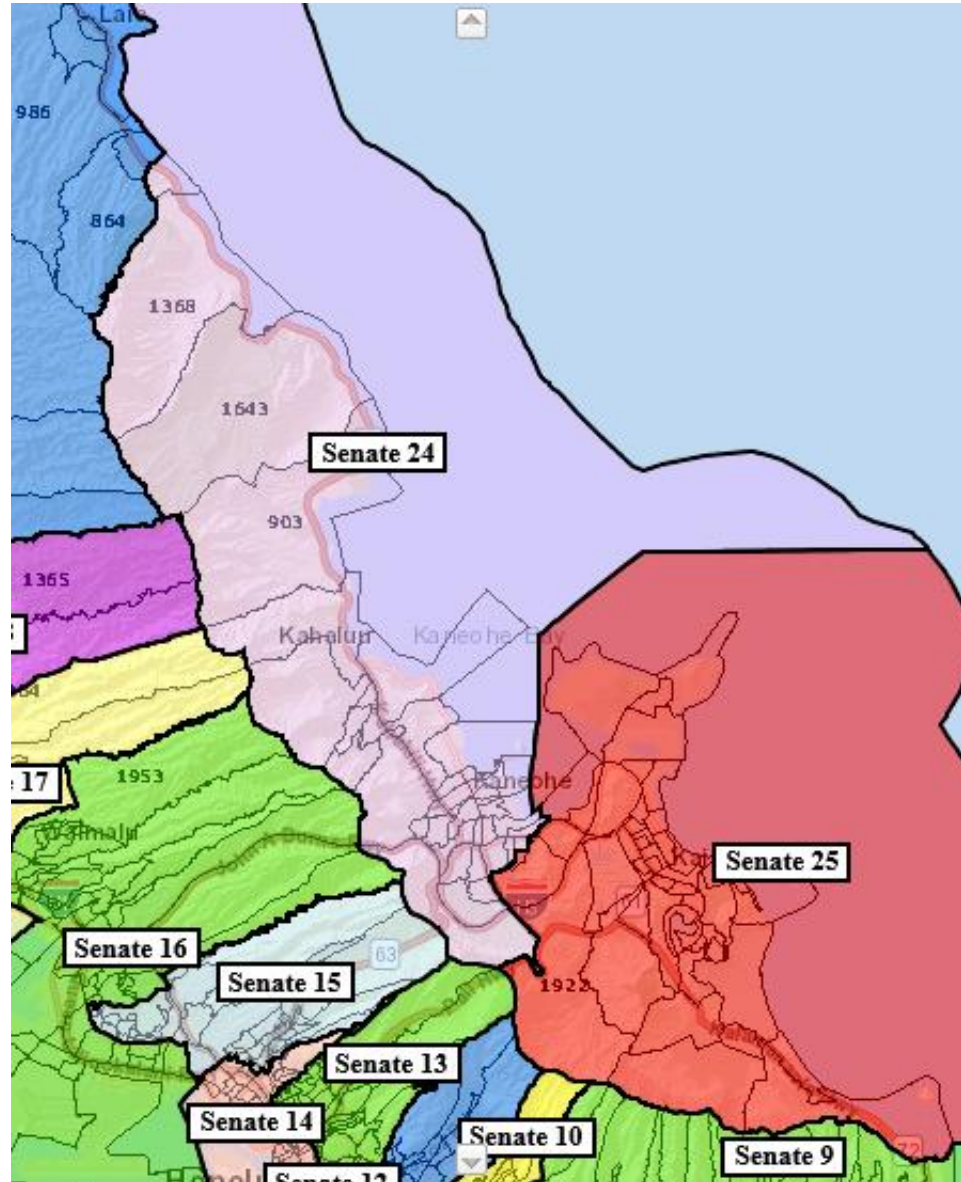
Hicks Plan

North Shore Overview



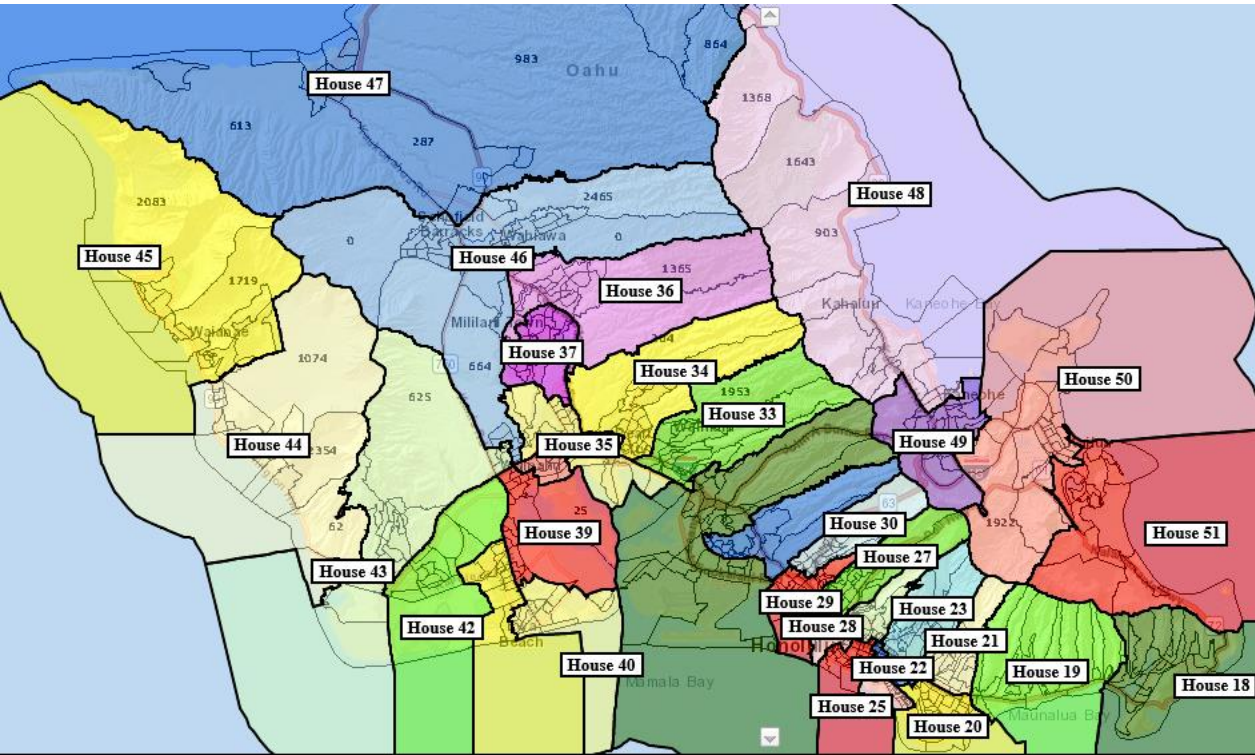
Hicks Plan

Windward Oahu Overview

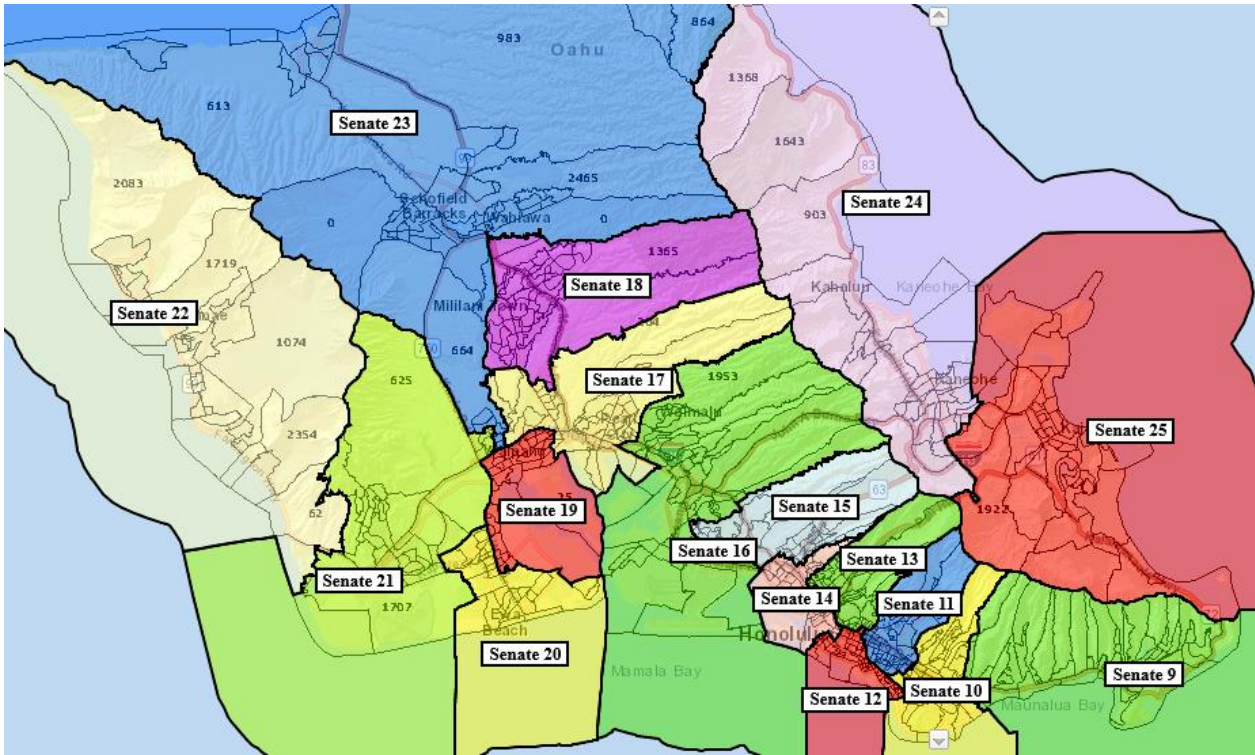


Hicks Plan

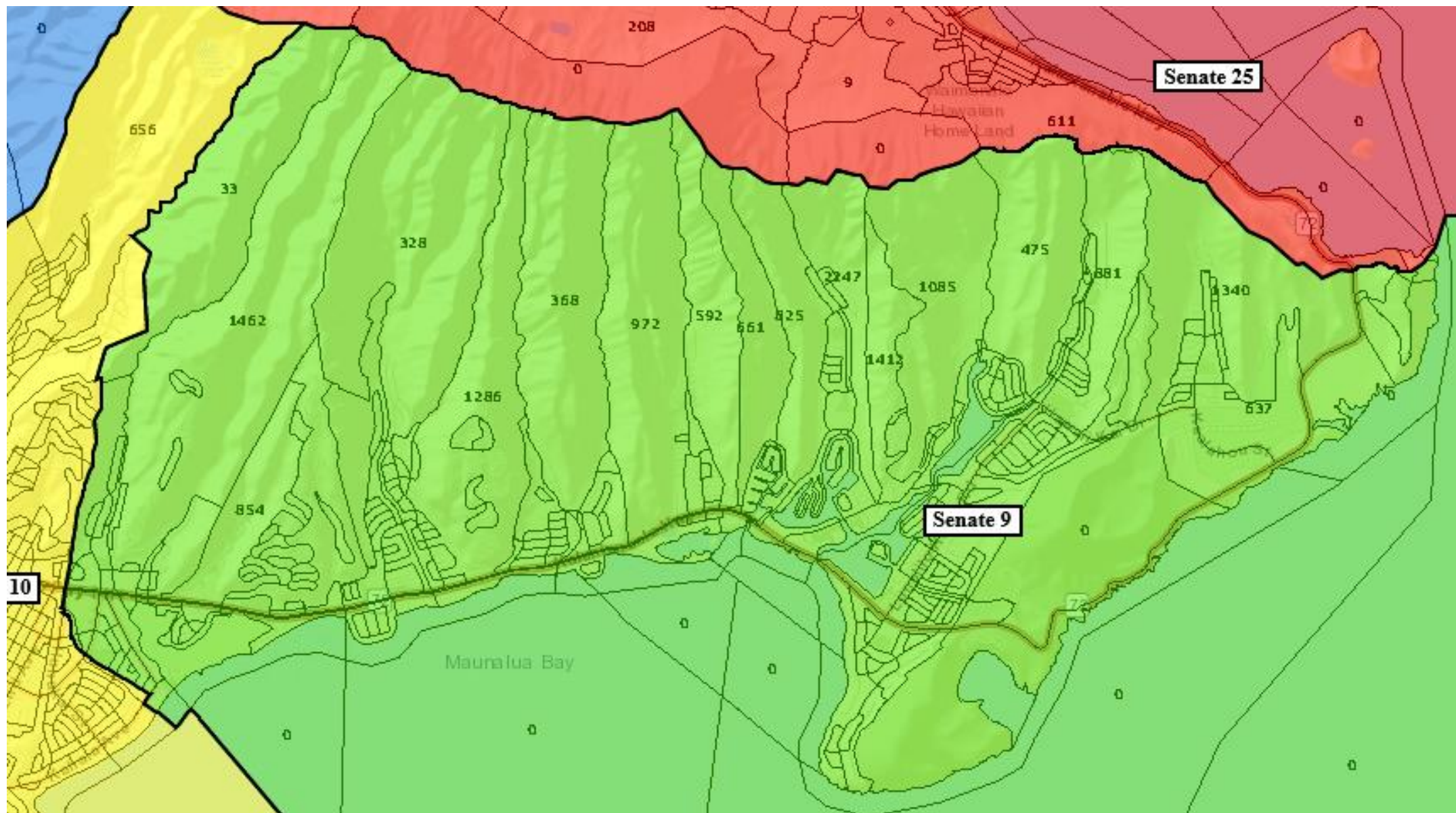
Each Senate District Consists of Exactly 2 House Districts



34 House Districts



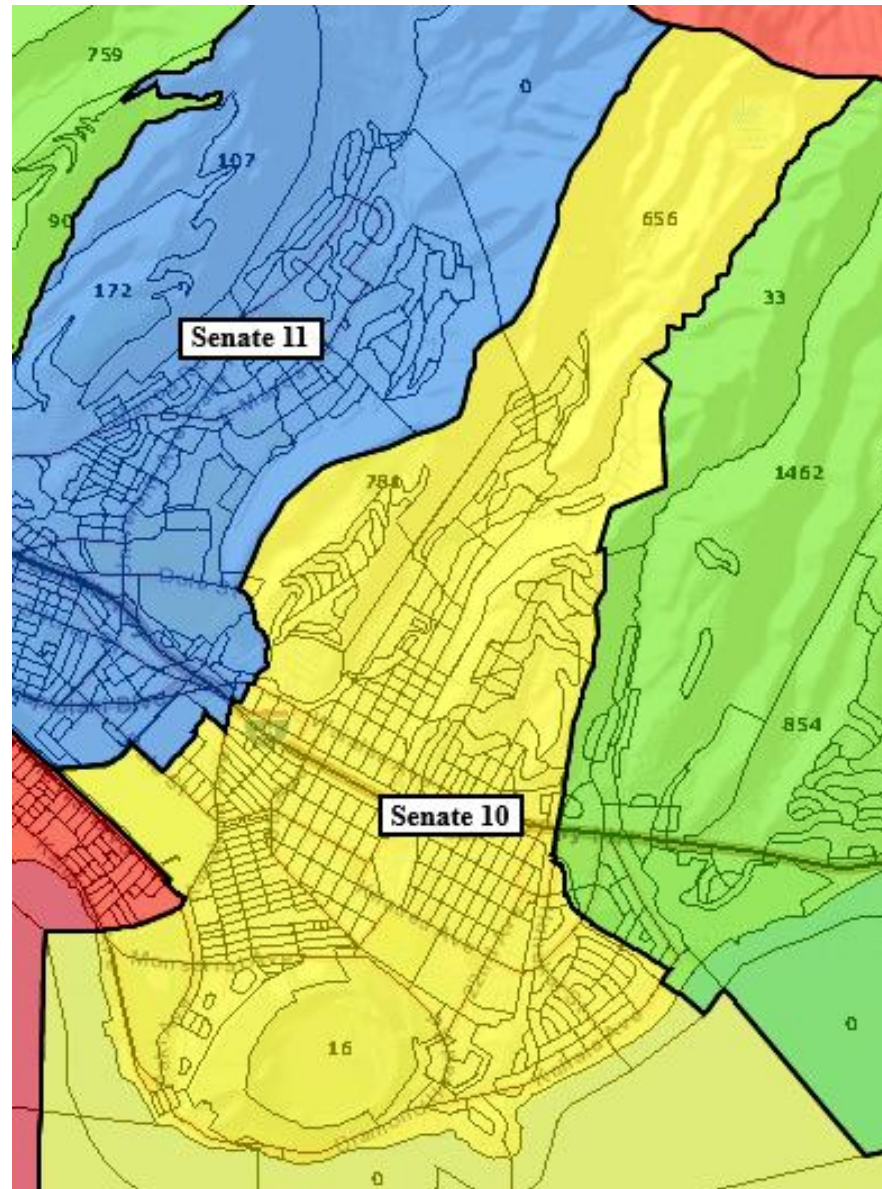
17 Senate Districts



Hicks Plan

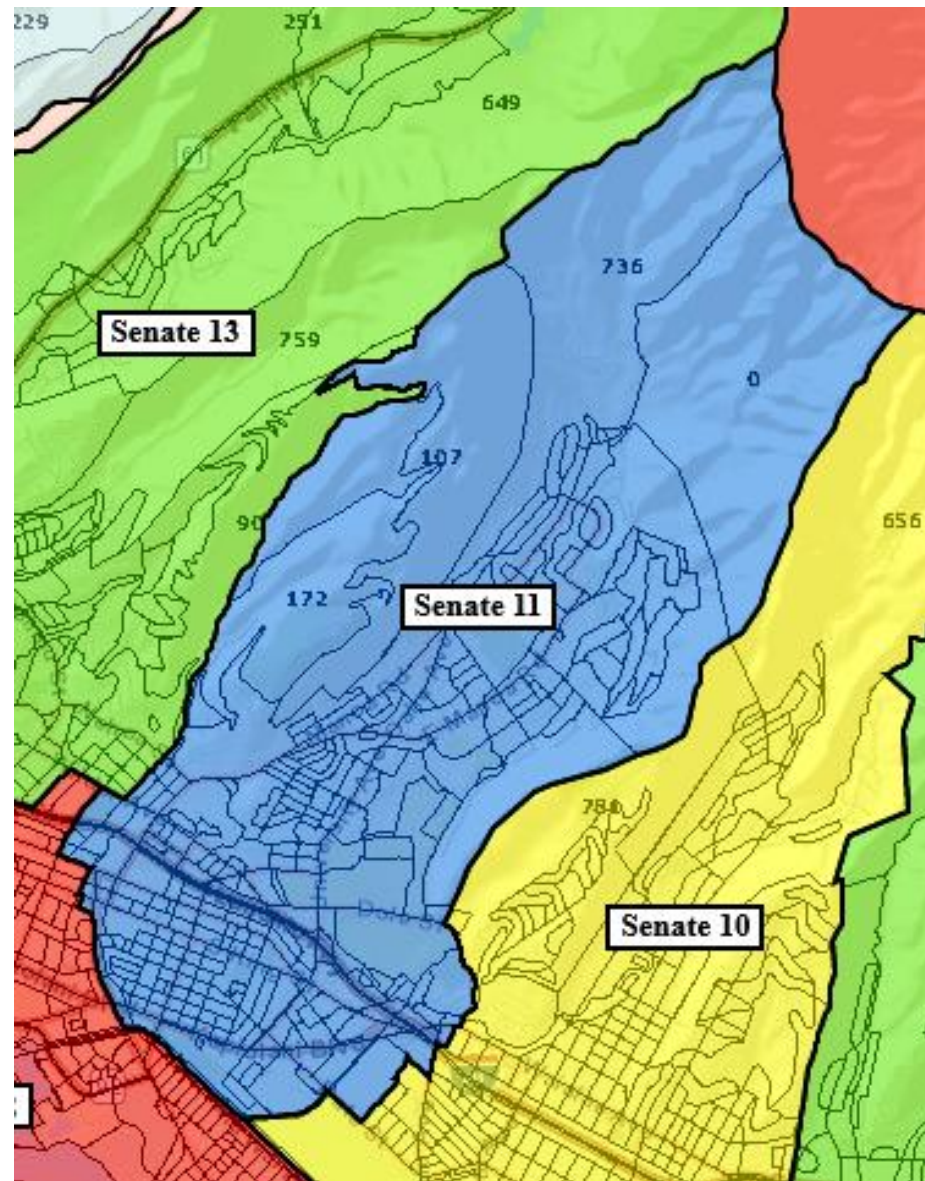
(Deviation 74 people, 0.14%)

Senate District 9



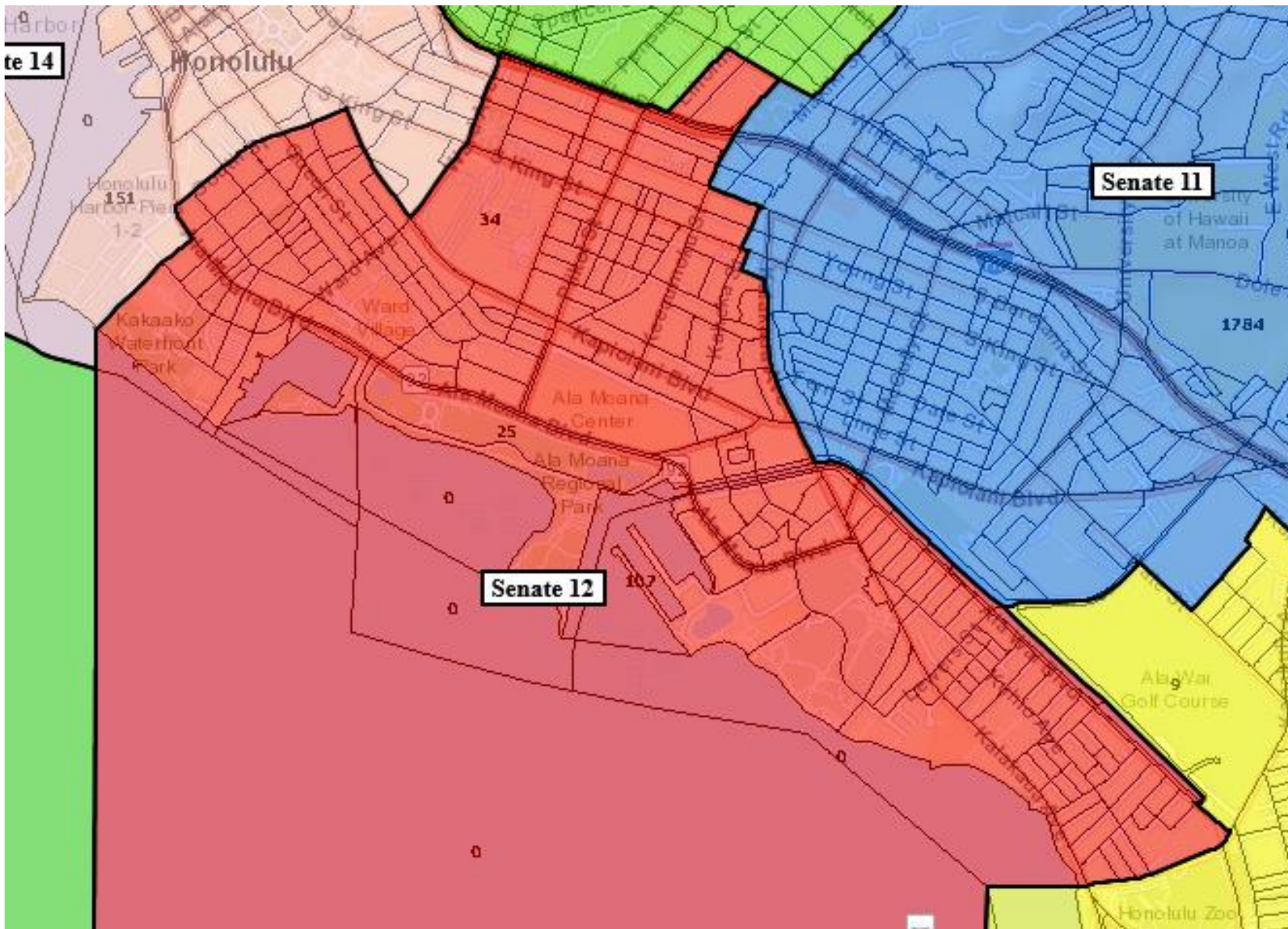
Hicks Plan (Deviation 536 people, 1.00%)

Senate District 10



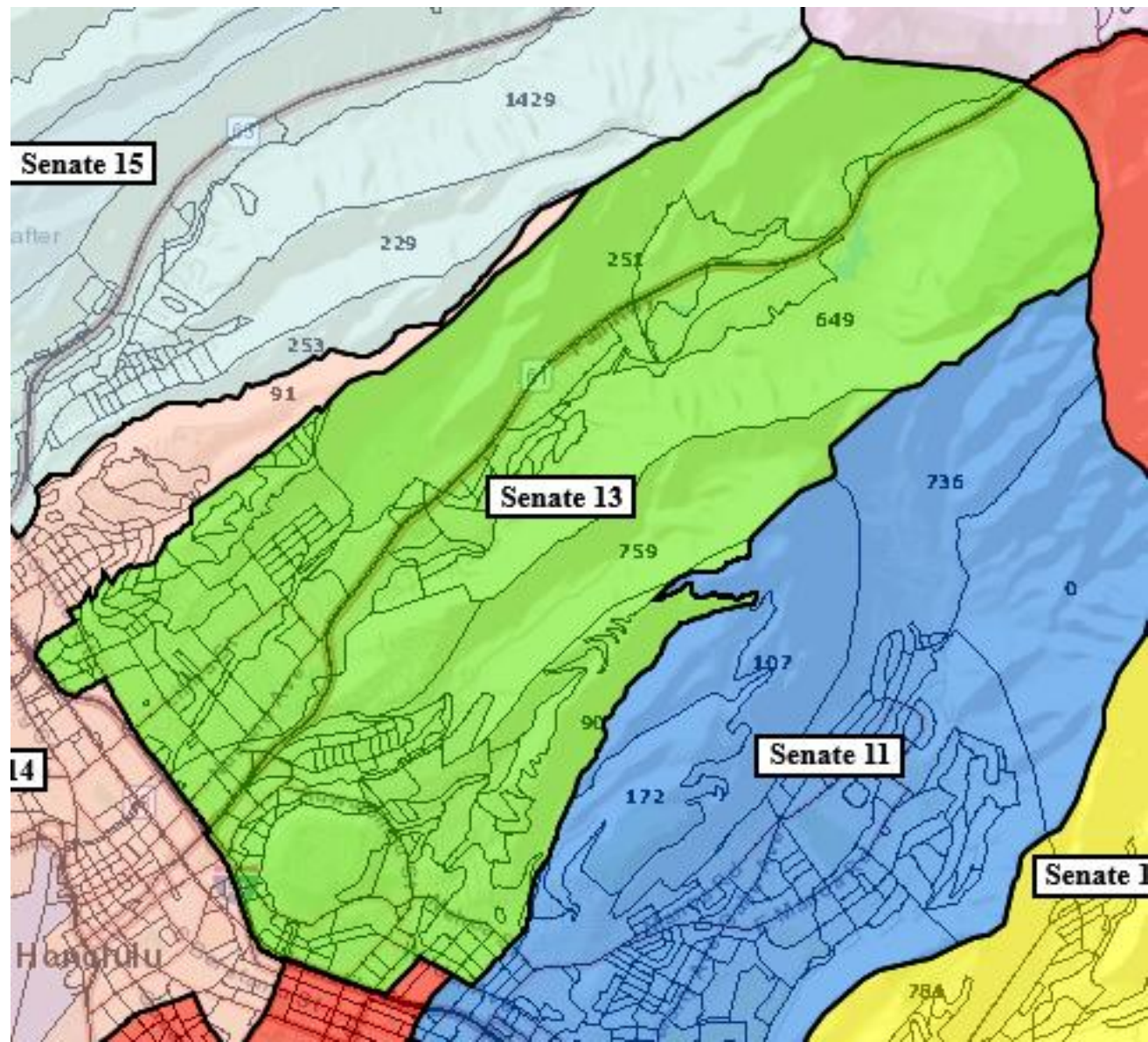
Hicks Plan (Deviation -110 people, -0.21%)

Senate District 11



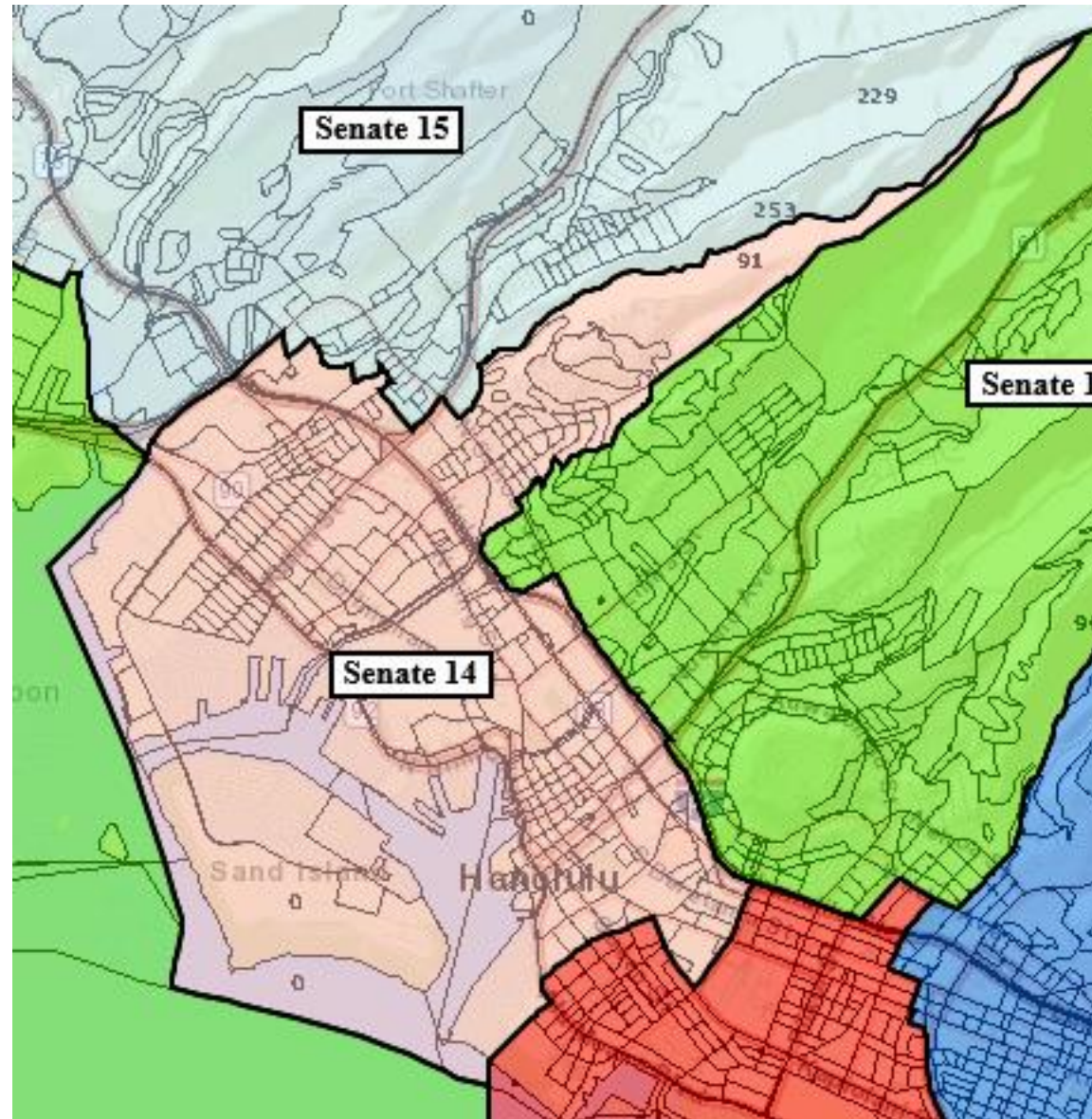
Hicks Plan (Deviation -513 people, -0.96%)

Senate District 12



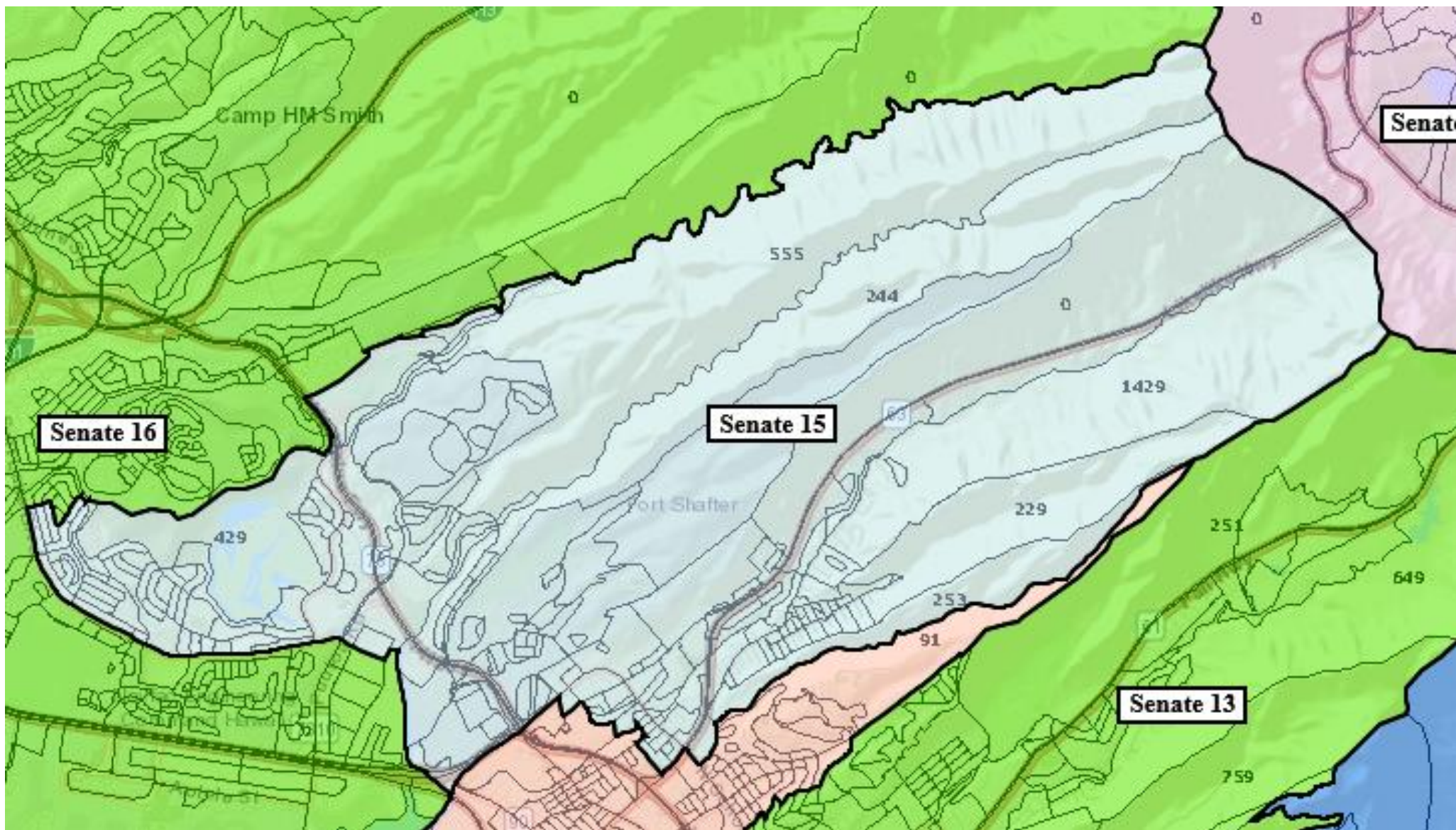
Hicks Plan (Deviation -308 people, -0.58%)

Senate District 13



Hicks Plan (Deviation -41 people, -0.08%)

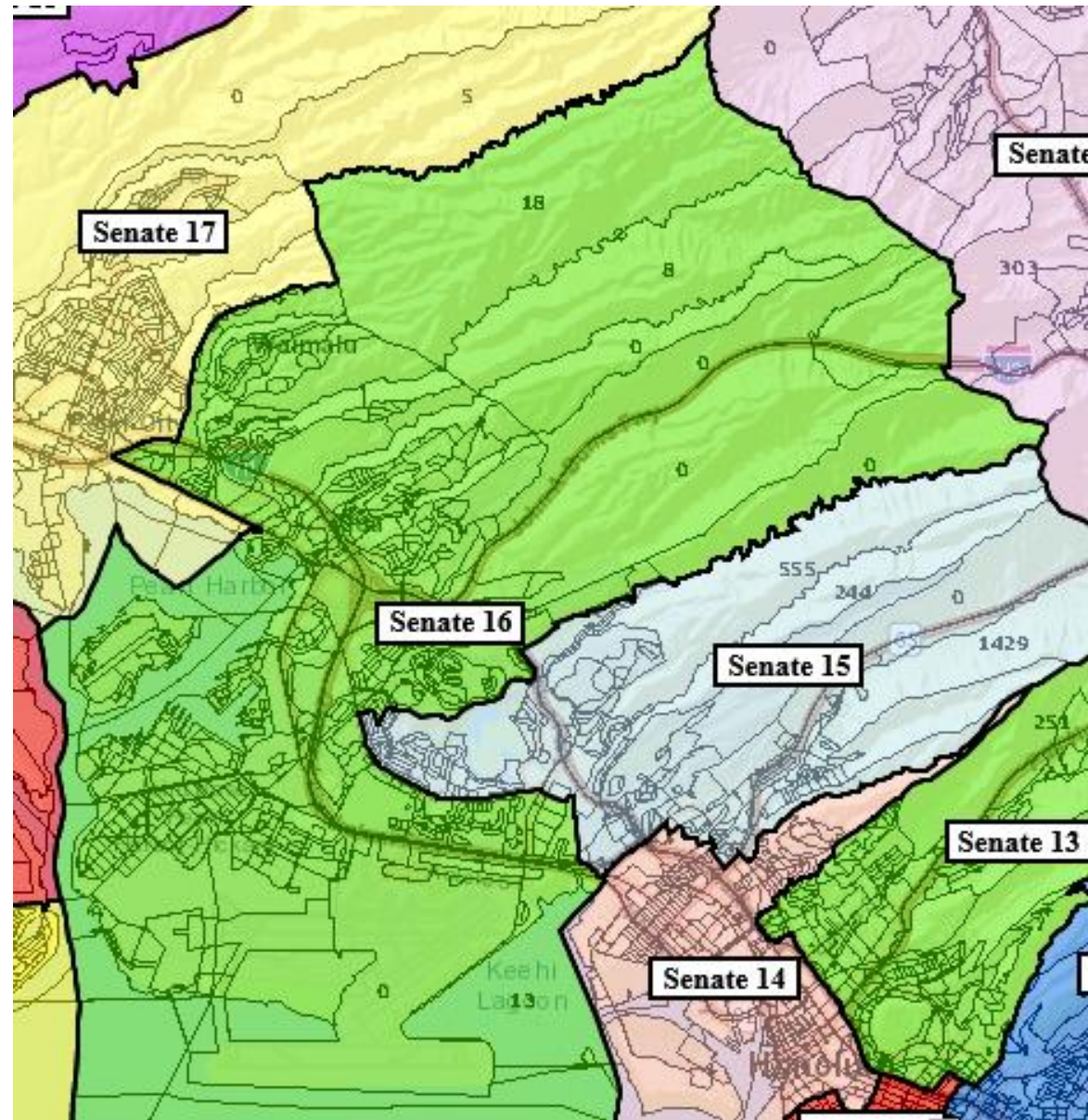
Senate District 14



Hicks Plan

(Deviation -159 people, -0.30%)

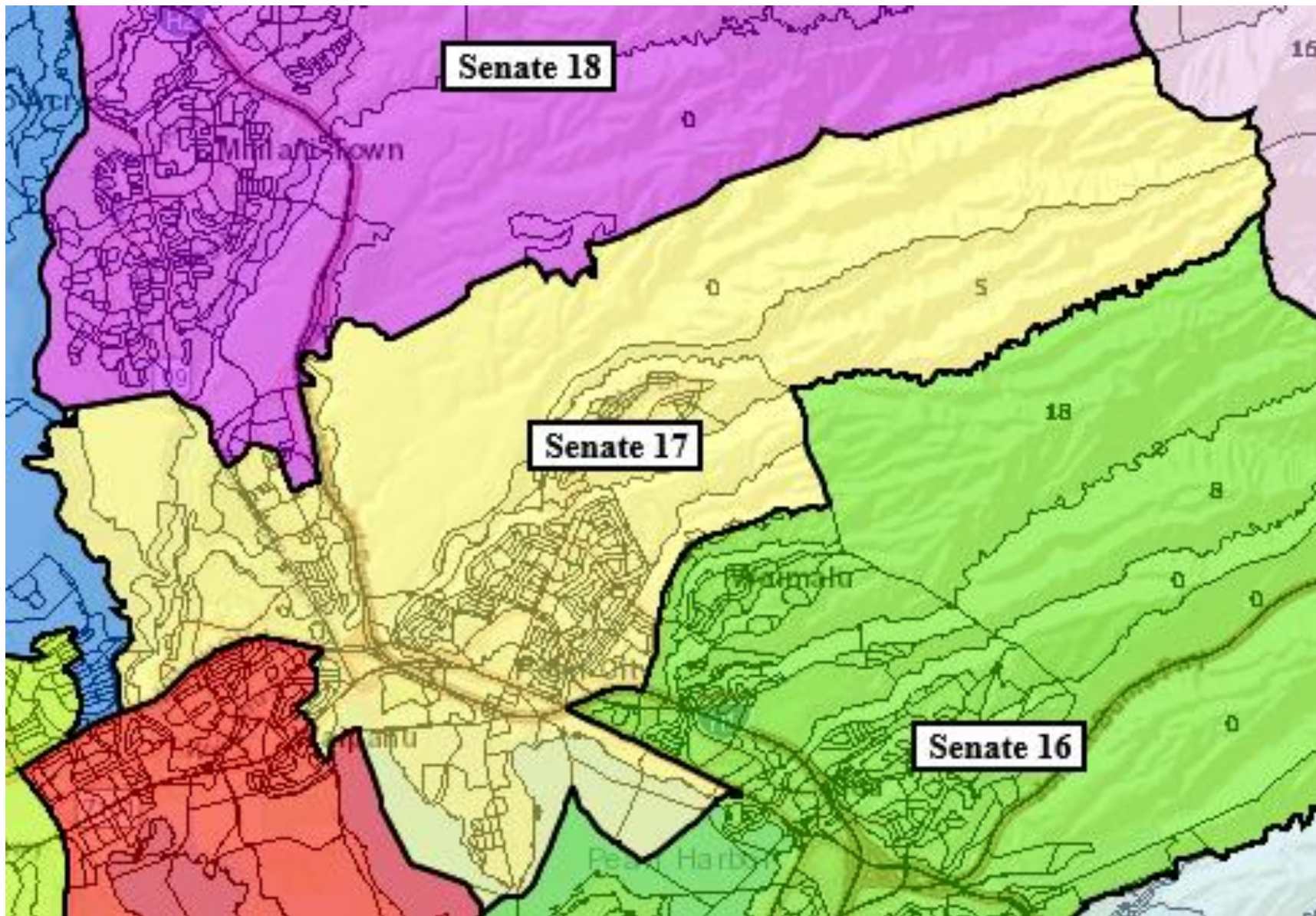
Senate District 15



Hicks Plan

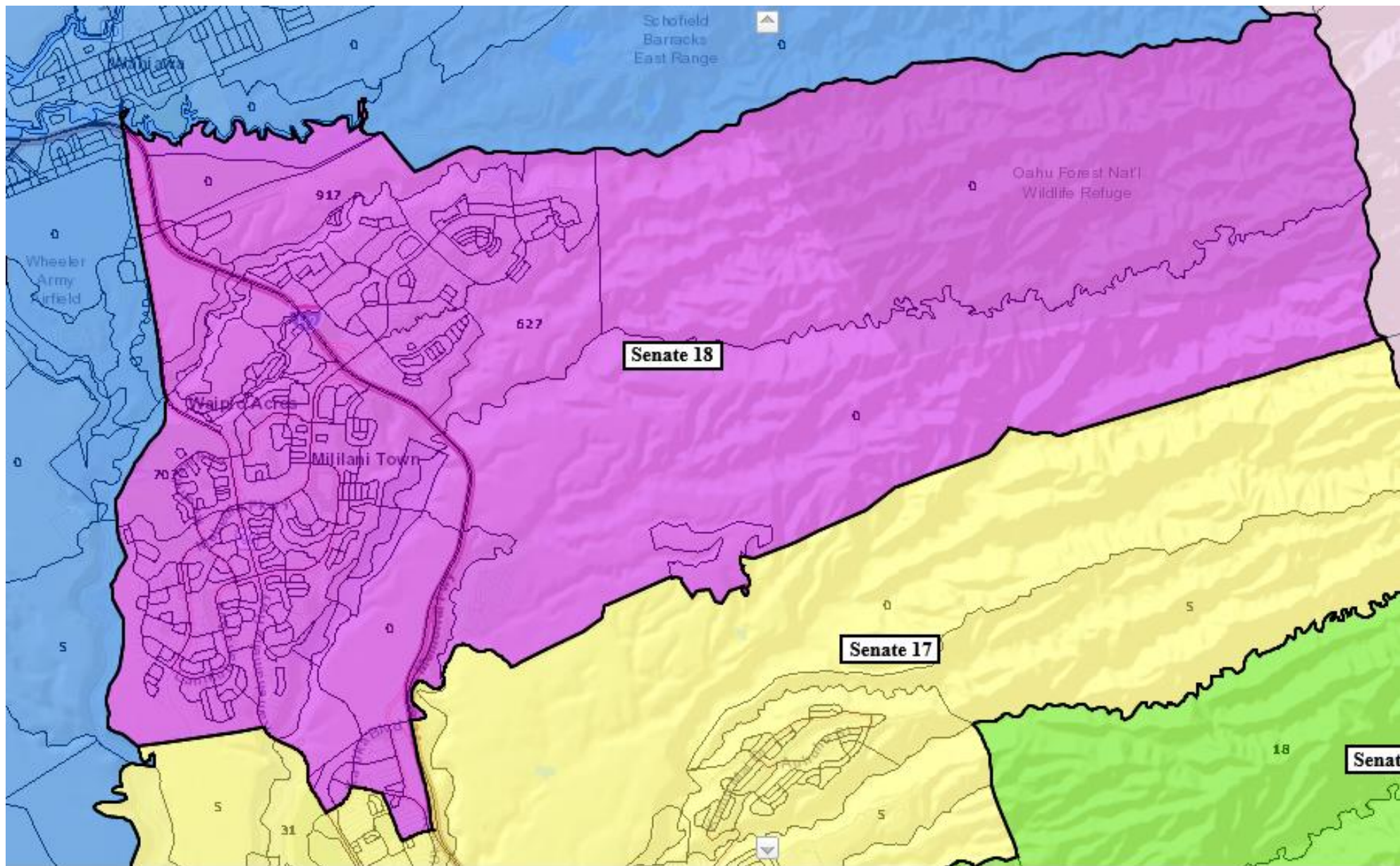
(Deviation 515 people, 0.96%)

Senate District 16



Hicks Plan (Deviation 337 people, 0.63%)

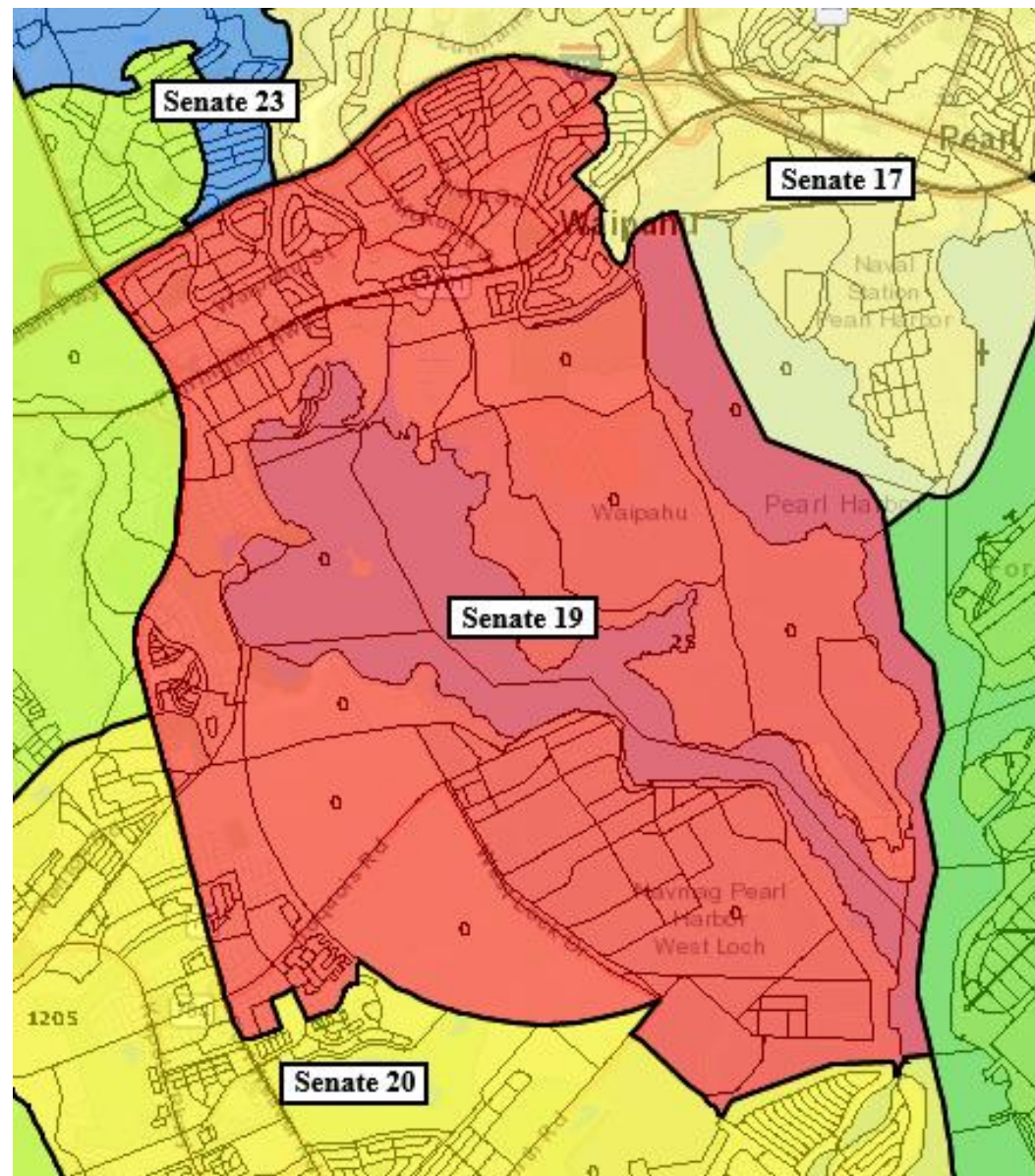
Senate District 17



Hicks Plan

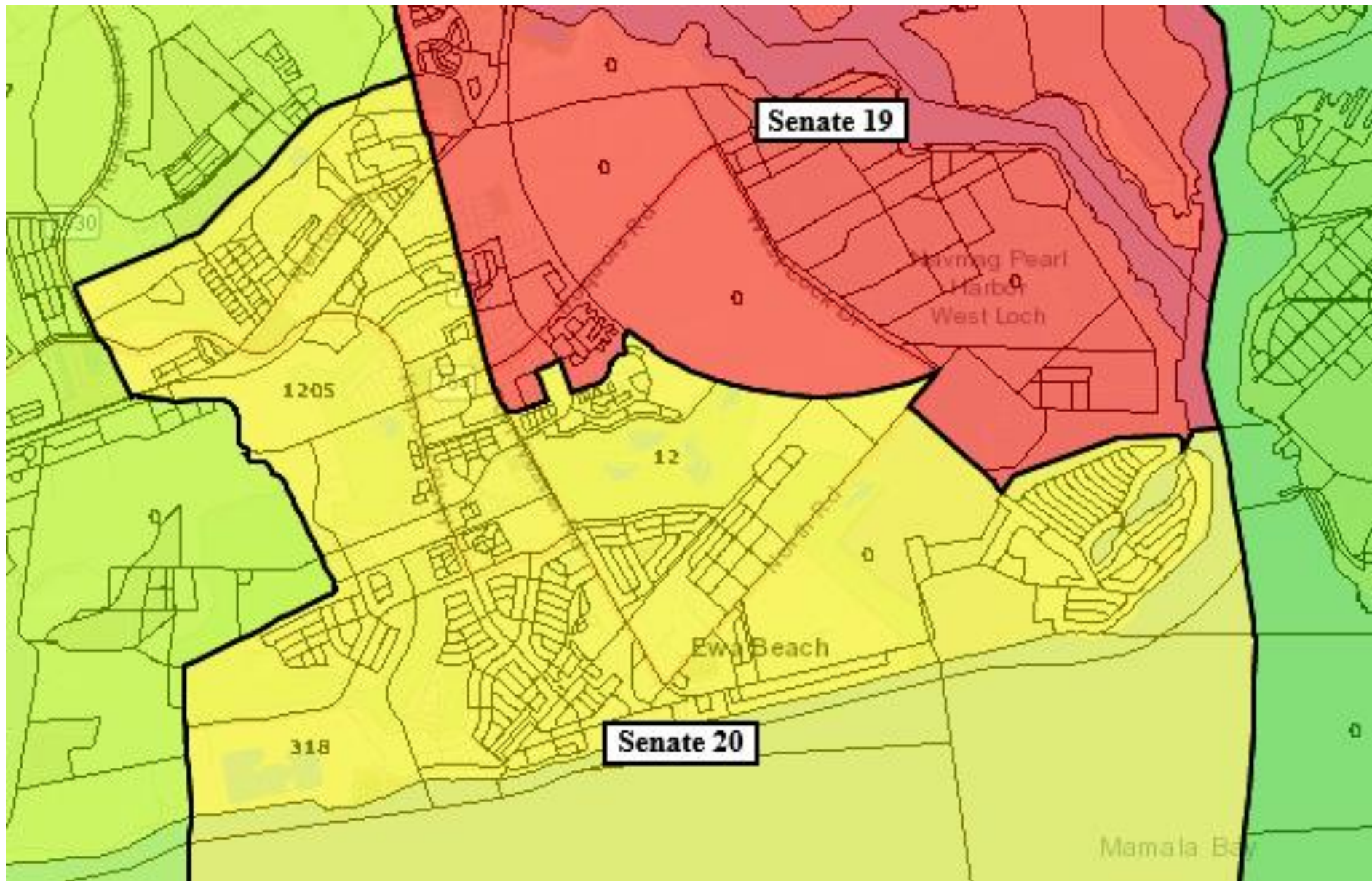
(Deviation -8 people, -0.01%)

Senate District 18



Hicks Plan (Deviation -356 people, -0.66%)

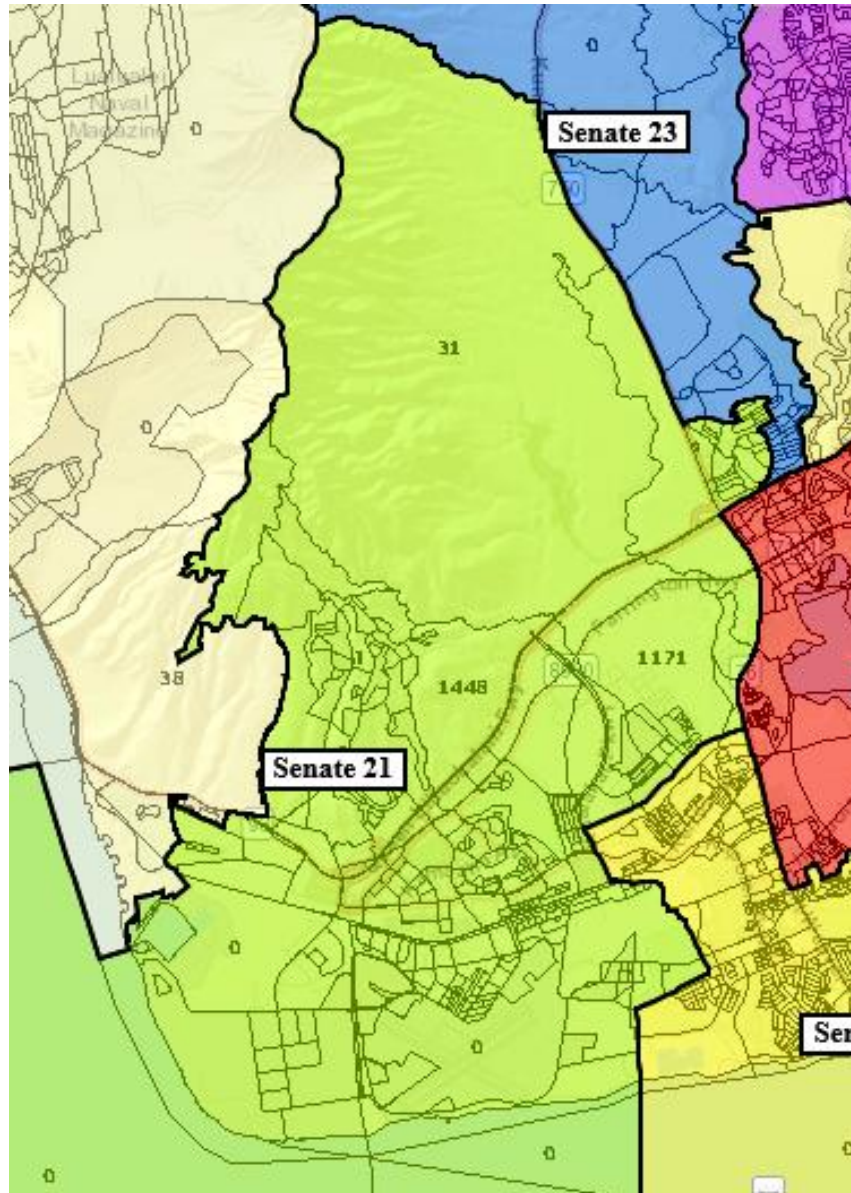
Senate District 19



Hicks Plan

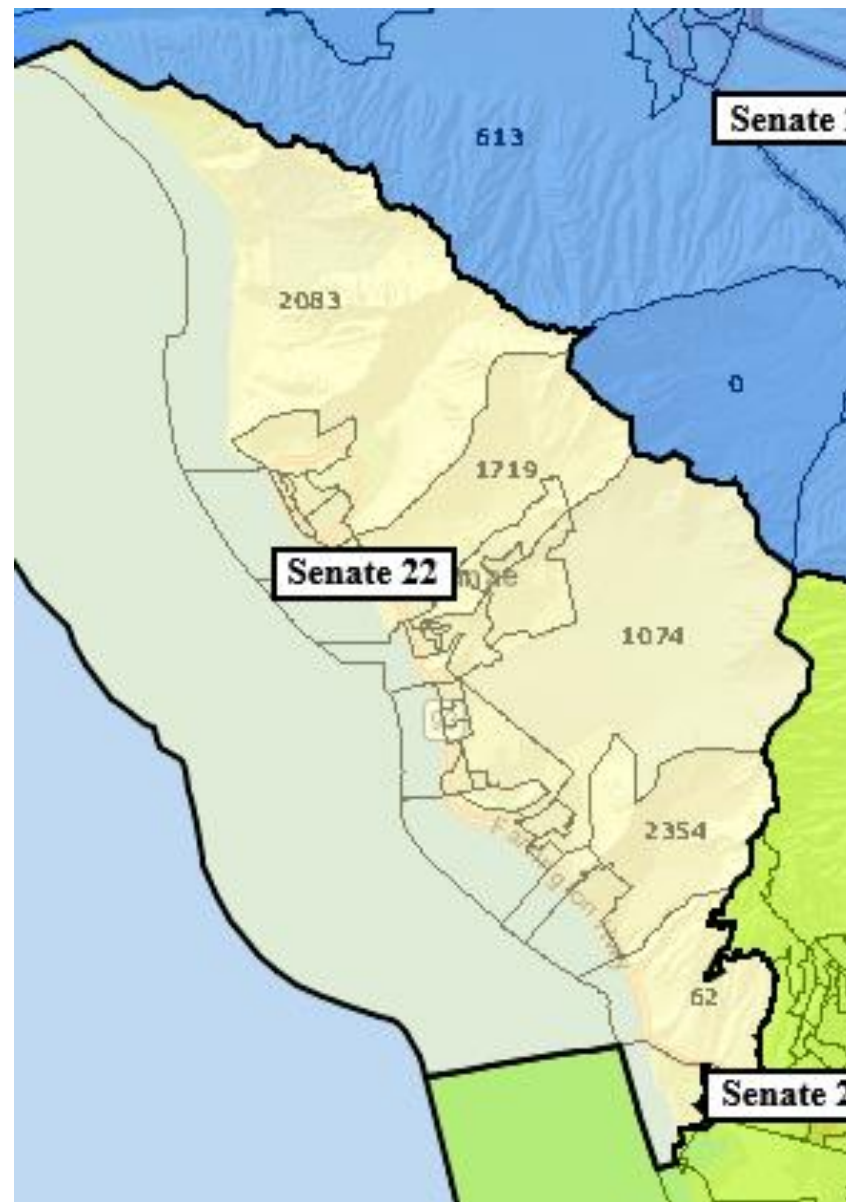
(Deviation 27 people, 0.05%)

Senate District 20



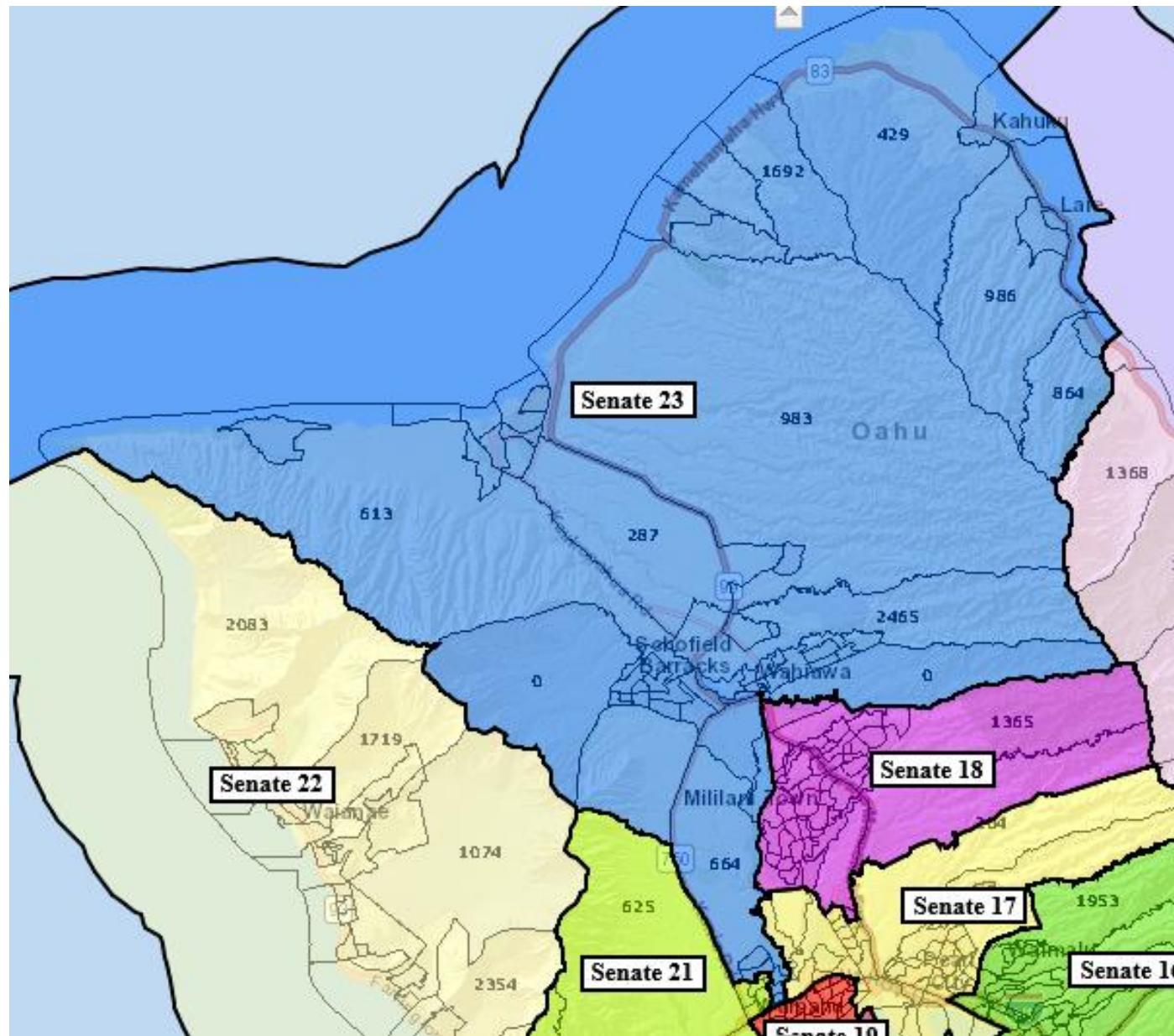
Hicks Plan (Deviation 281 people, 0.52%)

Senate District 21



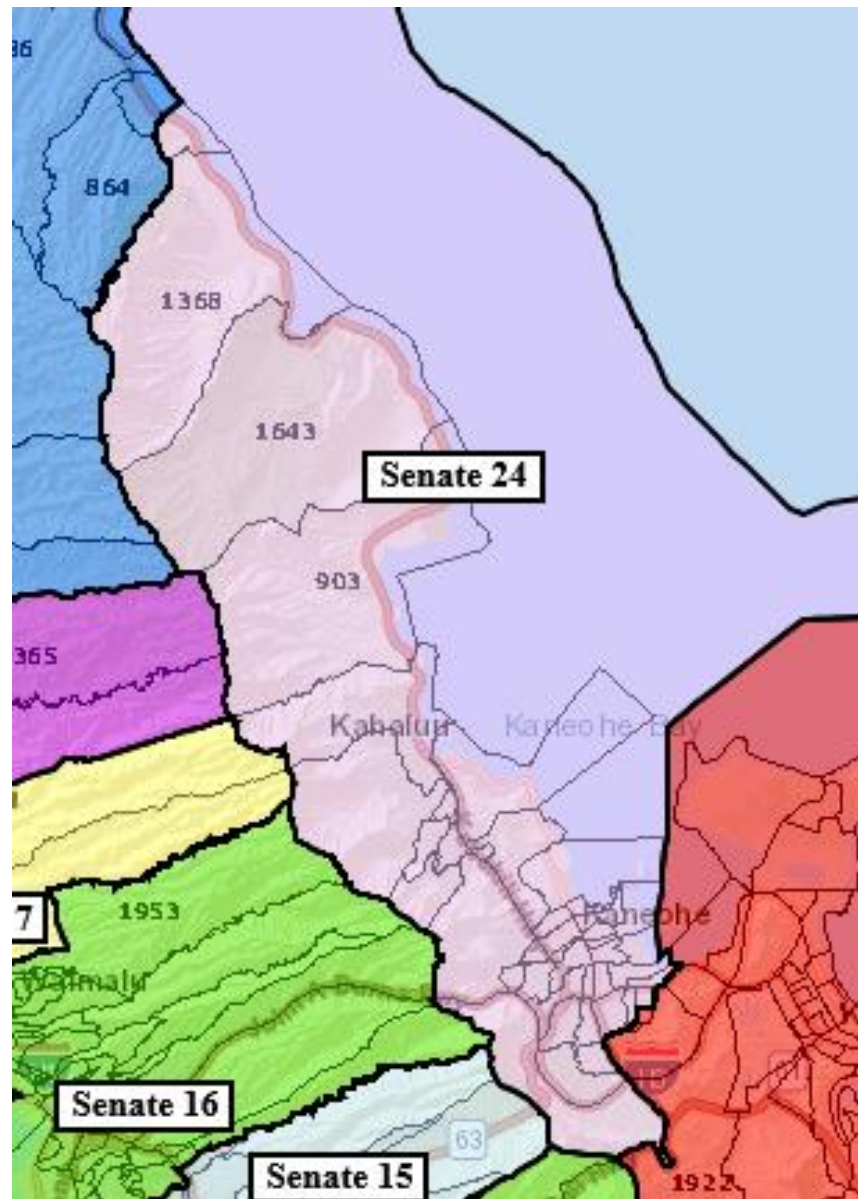
Hicks Plan (Deviation -116 people, -0.22%)

Senate District 22



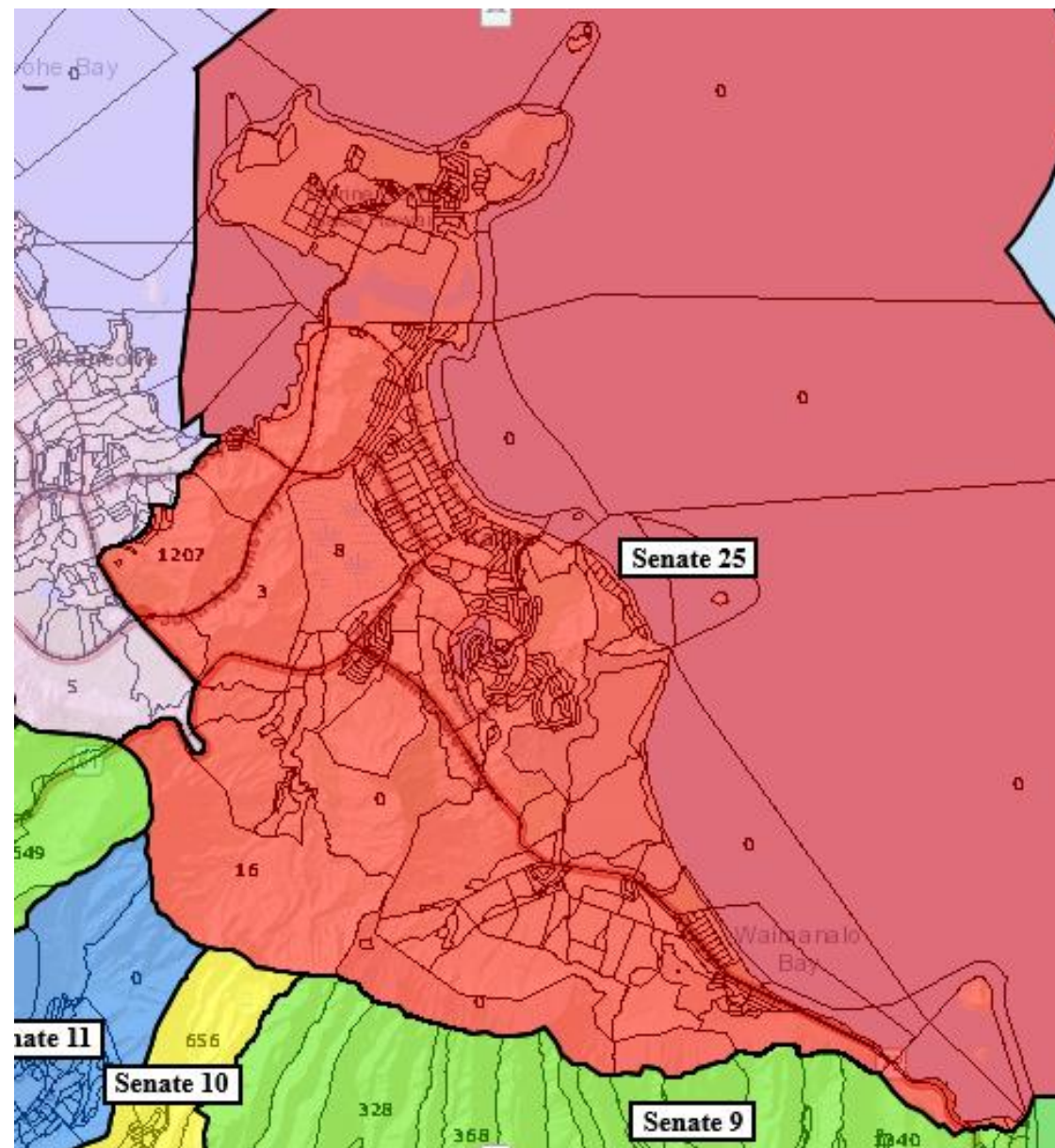
Hicks Plan (Deviation -9 people, -0.02%)

Senate District 23



Hicks Plan (Deviation -215 people, -0.40%)

Senate District 24



Hicks Plan

(Deviation 66 people, 0.12%)

Senate District 25

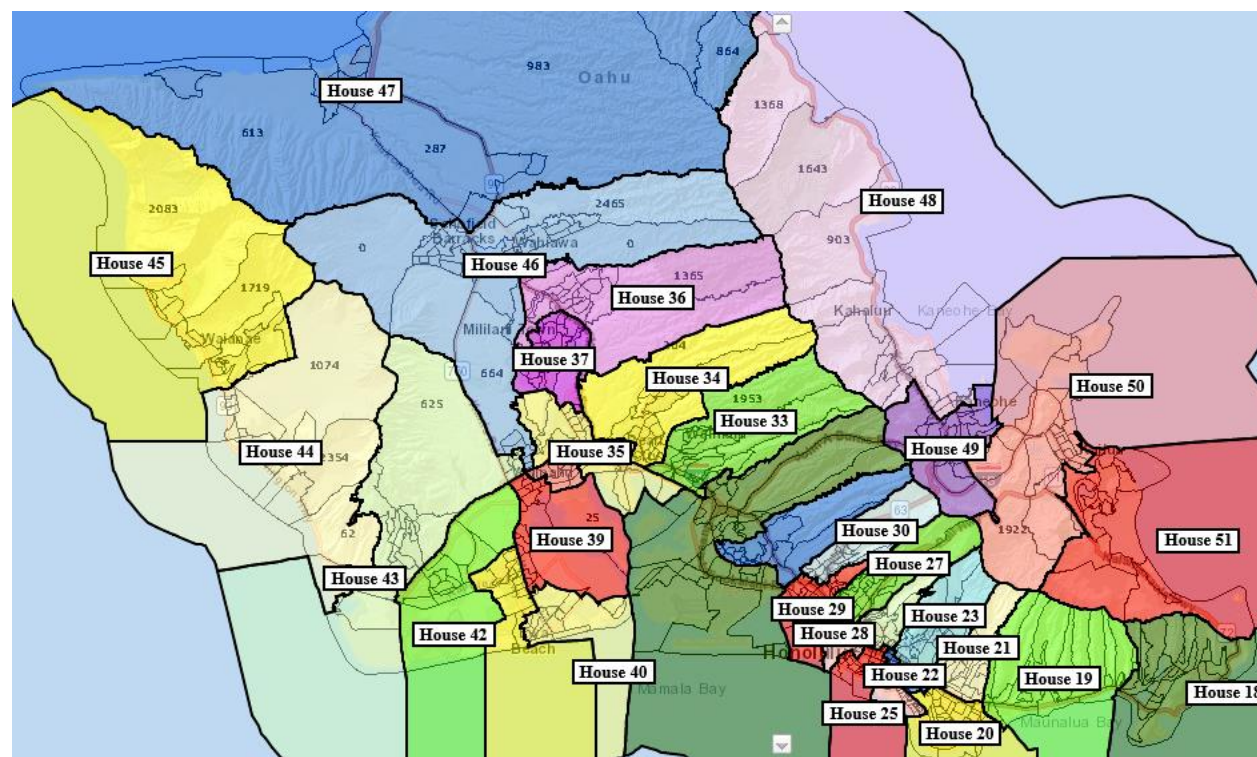
Oahu House & Senate Plans by Bill Hicks & TC Final Using 12/31 Extraction Data

Bill Hicks

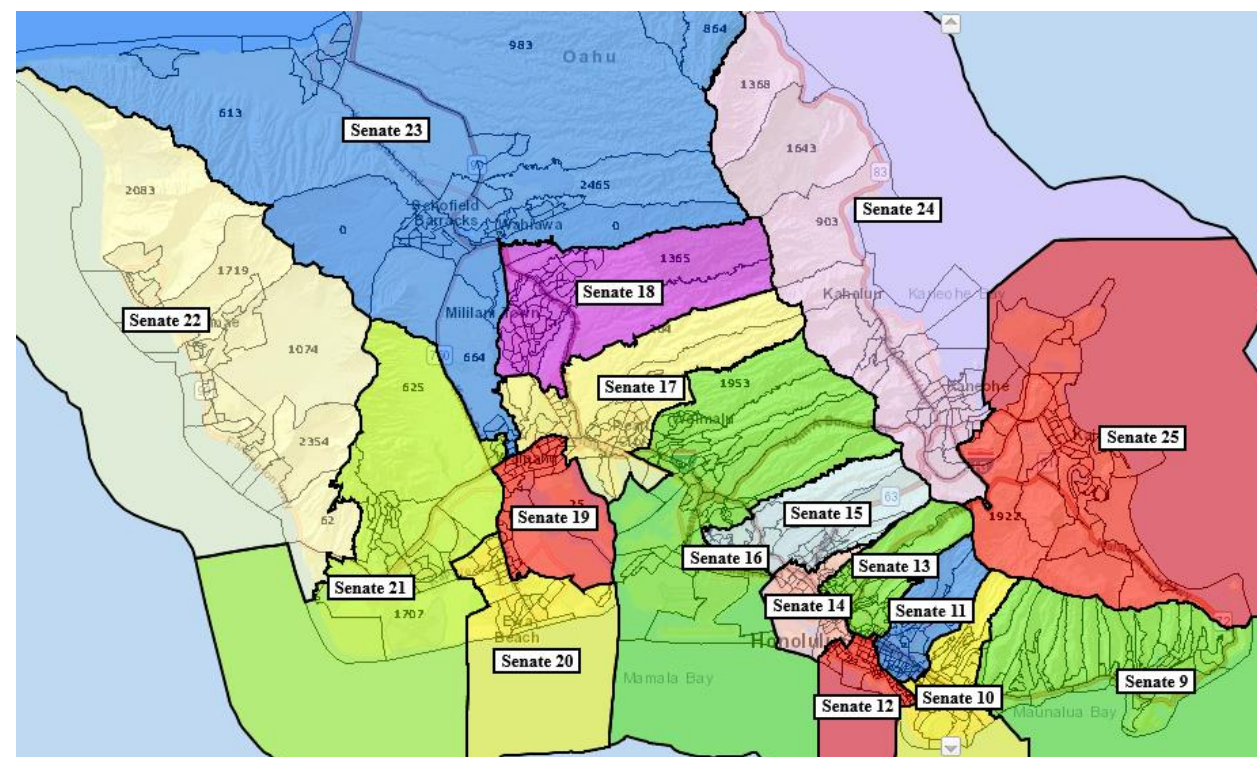
January 12, 2022

Intent: Each Senate District Consists of Exactly 2 House Districts

Hicks does this; the TC does not



34 House Districts



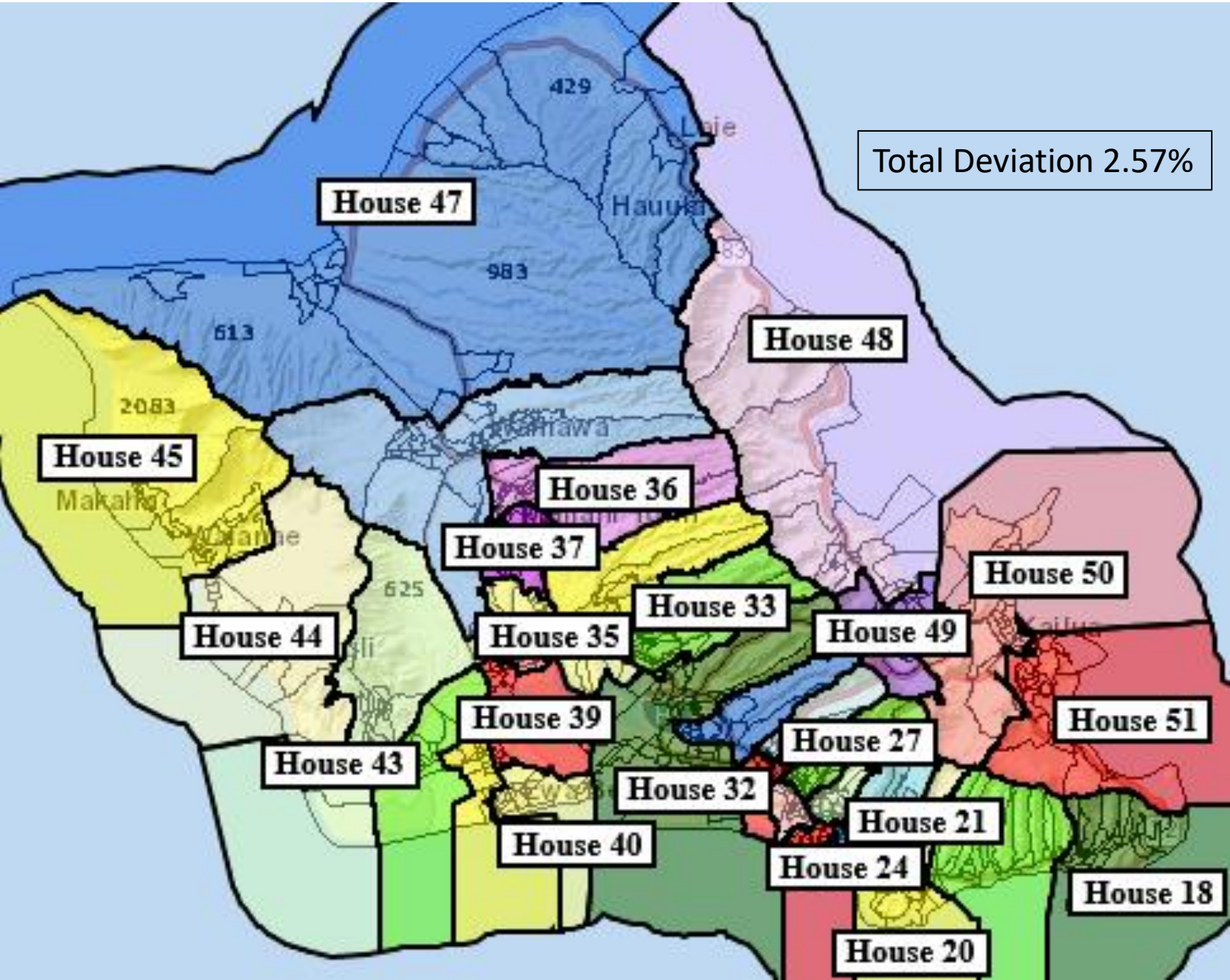
17 Senate Districts

(Hicks Plan Shown)

“...representative districts shall be wholly included within senatorial districts”

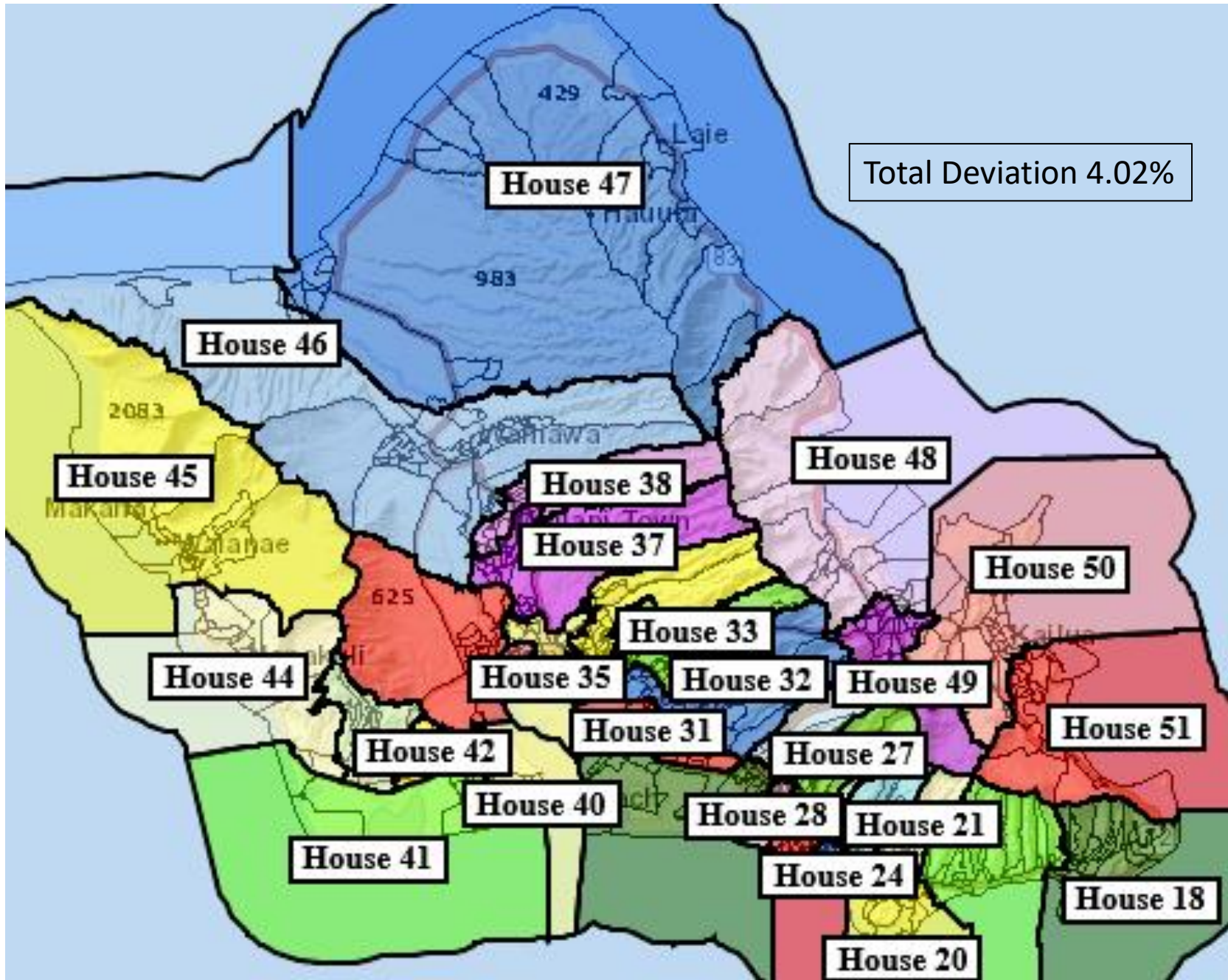
- Hicks Plan: ALL 34 House Districts are contained within 1 Senate District
- TC Final:
 - Only 9 House Districts are contained within 1 Senate District
 - 13 House Districts are contained within 2 Senate Districts
 - 10 House Districts are contained within 3 Senate Districts
 - 2 House Districts are contained within 4 Senate Districts
 - No Senate District contains only 2 House Districts; there could've been 17 of these
 - 3 Senate Districts each cross 6 House Districts; another 4 cross 5; and 5 cross 4
 - Even on Maui (3 Senate/6 House) and the Big Island (4 Senate/8 House) no Senate District contains only 2 House Districts

Oahu House



Hicks Plan w/12/31/21 Extraction Data

HD	Deviation	%
18	71	0.27%
19	3	0.01%
20	192	0.72%
21	344	1.28%
22	87	0.32%
23	-197	-0.74%
24	-218	-0.81%
25	-295	-1.10%
26	- 97	-0.36%
27	-211	-0.79%
28	-127	-0.47%
29	214	0.80%
30	54	0.20%
31	-341	-1.27%
32	220	0.82%
33	295	1.10%
34	21	0.08%
35	316	1.18%
36	21	0.08%
37	- 29	-0.11%
38	316	1.18%
39	- 29	-0.11%
40	- 89	-0.33%
41	116	0.43%
42	111	0.41%
43	170	0.63%
44	-346	-1.29%
45	230	0.86%
46	- 4	-0.01%
47	- 5	-0.02%
48	-203	-0.76%
49	- 12	-0.04%
50	55	0.21%
51	11	0.04%



Final TC Plan w/12/31/21 Extraction Data

HD	Deviation	%
18	134	0.50%
19	-266	-0.99%
20	-219	-0.82%
21	-172	-0.64%
22	-329	-1.23%
23	-352	-1.31%
24	206	0.77%
25	153	0.57%
26	413	1.54%
27	403	1.50%
28	190	0.71%
29	296	1.11%
30	216	0.81%
31	131	0.49%
32	-214	-0.80%
33	372	1.39%
34	92	0.34%
35	312	1.17%
36	130	0.49%
37	29	0.11%
38	175	0.65%
39	331	1.24%
40	188	0.70%
41	131	0.49%
42	-289	-1.08%
43	-473	-1.77%
44	397	1.48%
45	315	1.18%
46	204	0.76%
47	-124	-0.46%
48	-468	-1.75%
49	-628	-2.35%
50	-620	-2.32%
51	-663	-2.48%

Oahu House Differences

	Hicks	TC
Total Deviation	2.57%	4.02%
Makapu'u Point	Yes	Yes
HD w/i 1 SD	Yes	No
HD w/i 1 CD	Yes	No

East Honolulu (similar)

Downtown: Fairly similar from Kalihi eastward; airport to Camp Smith different

Central Oahu: TC more compact wrt Royal Kunia; Hicks constrained by CD lines

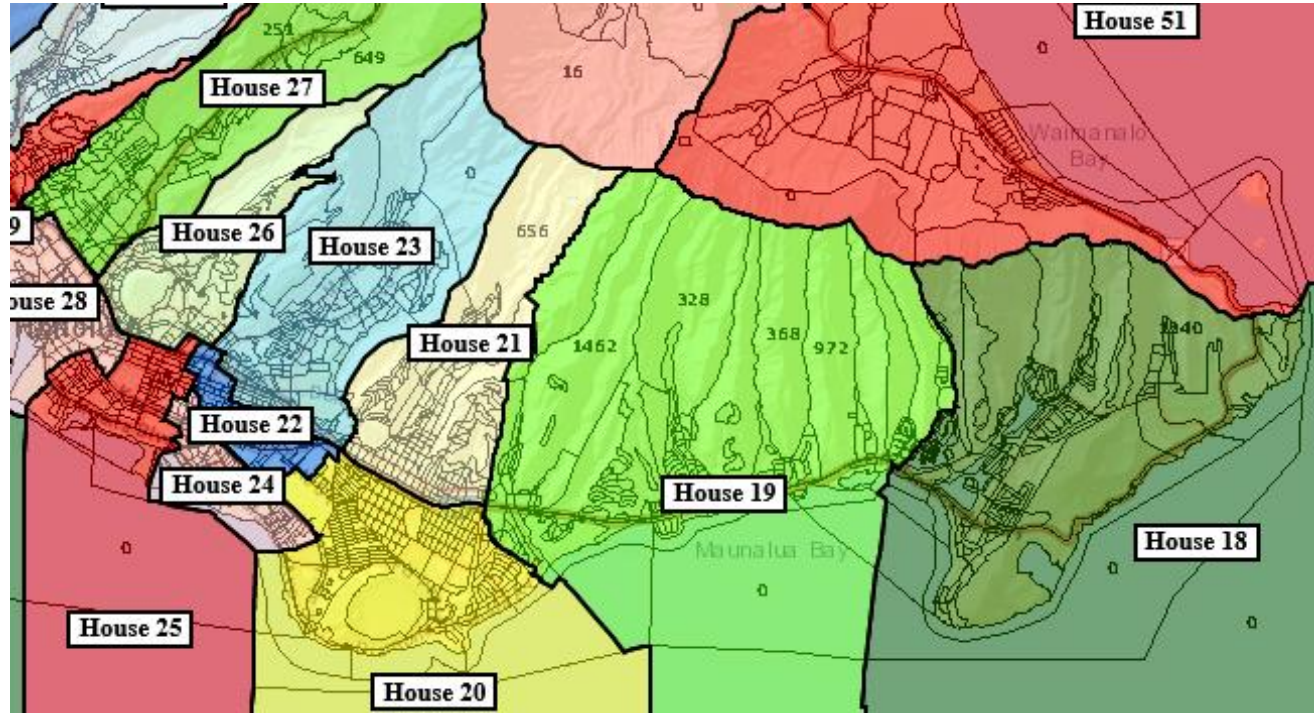
Leeward Oahu: Hicks splits Mililani less; TC more compact w/o CD constraints

North Shore: Hicks North Shore only; TC joins part with Wahaiwa & Mililani

Windward Oahu (similar)

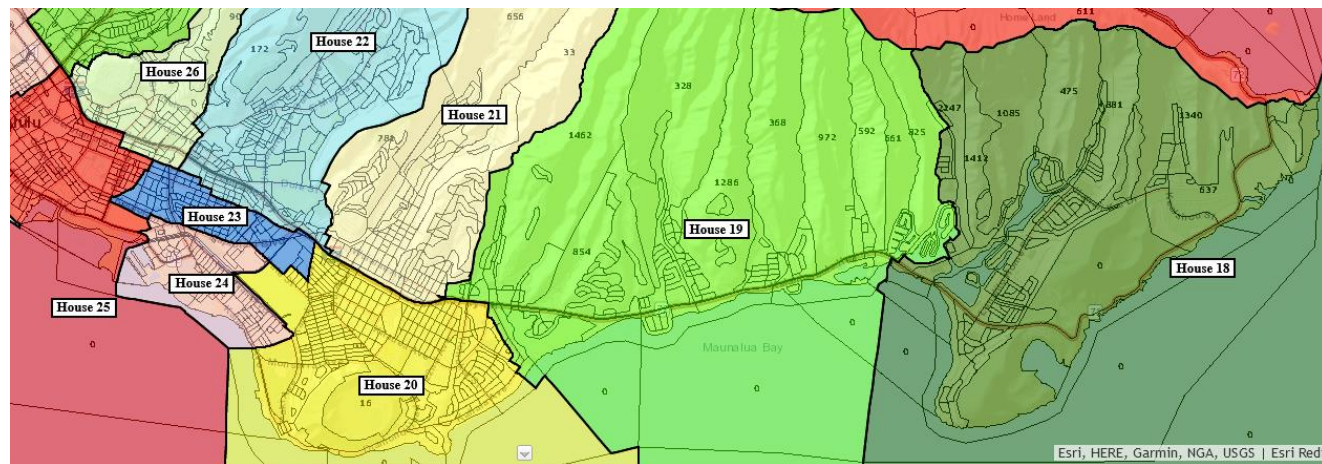
East Honolulu Overview

Hicks Plan

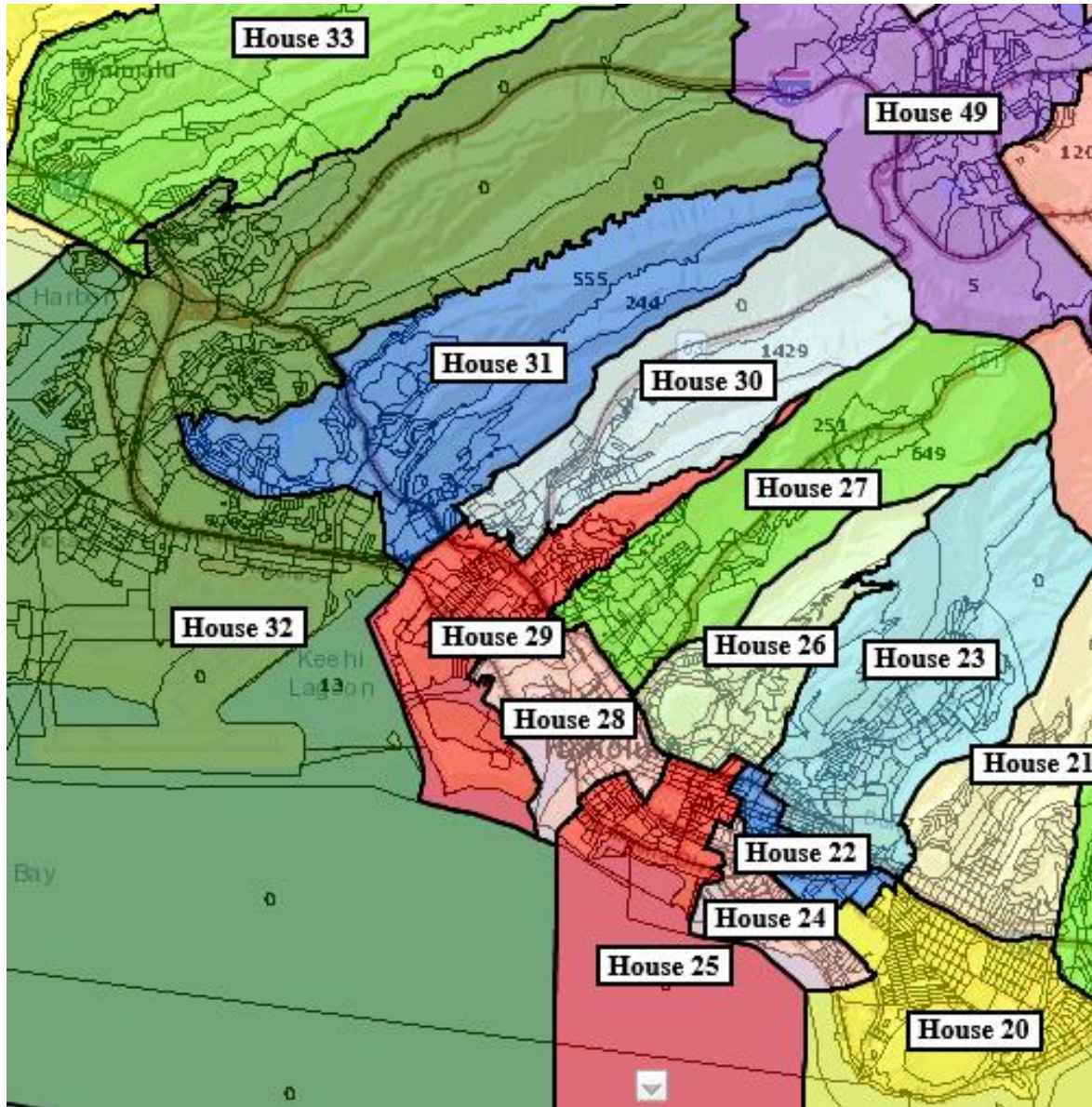


Pretty similar.

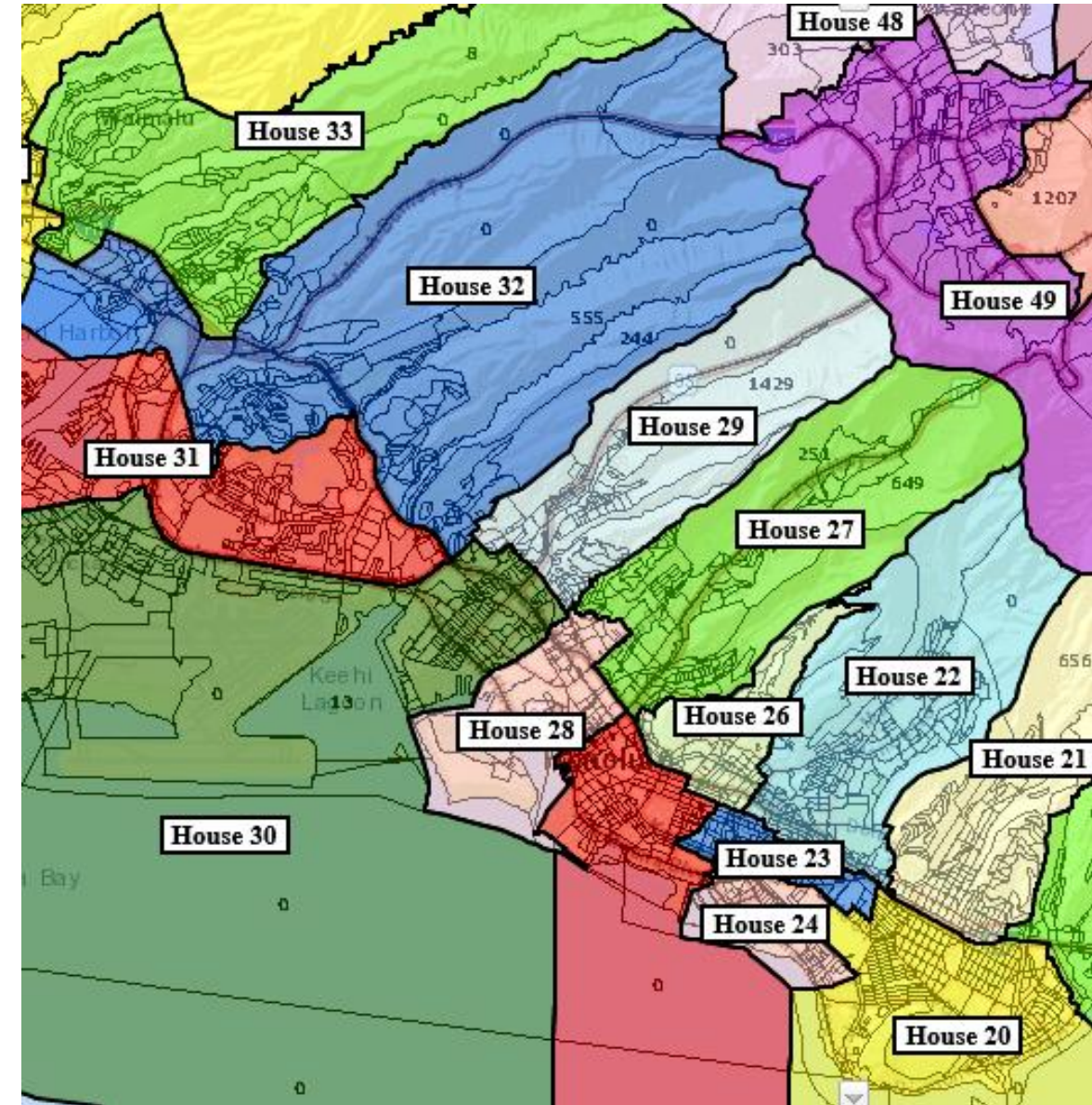
Final TC Plan



Downtown Overview

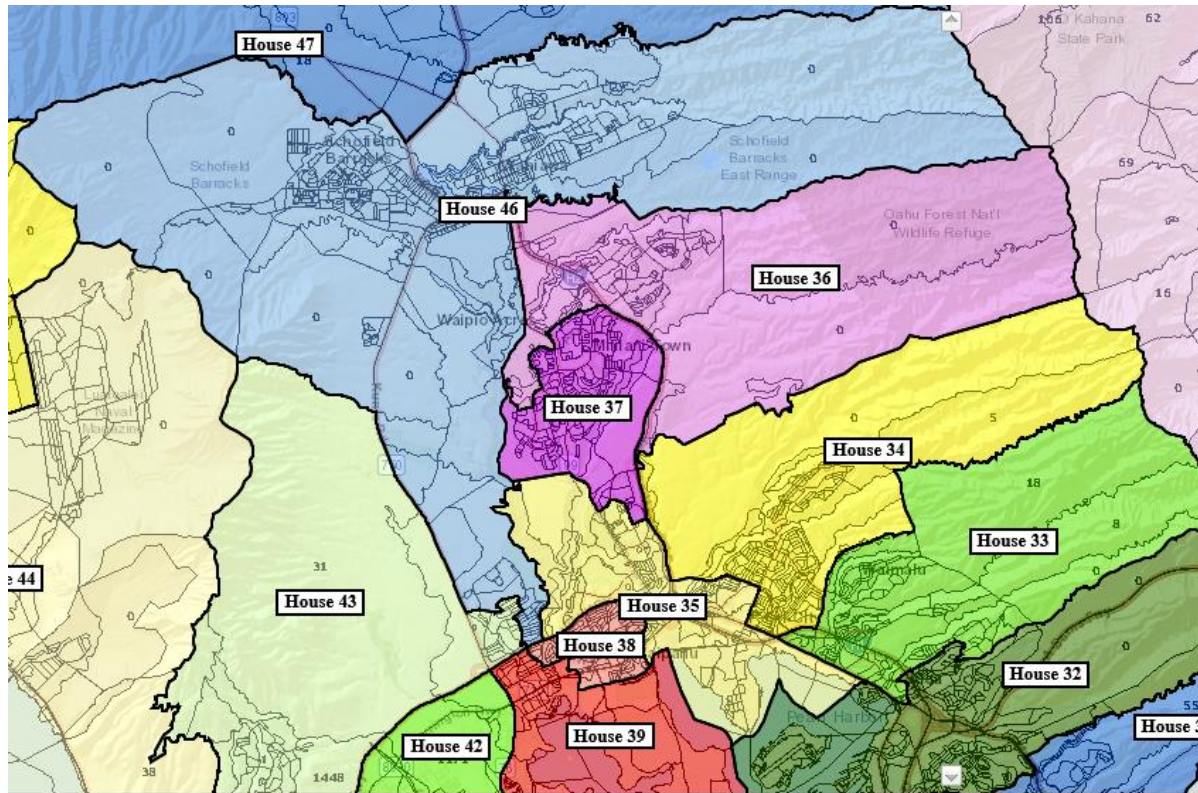


Hicks Plan

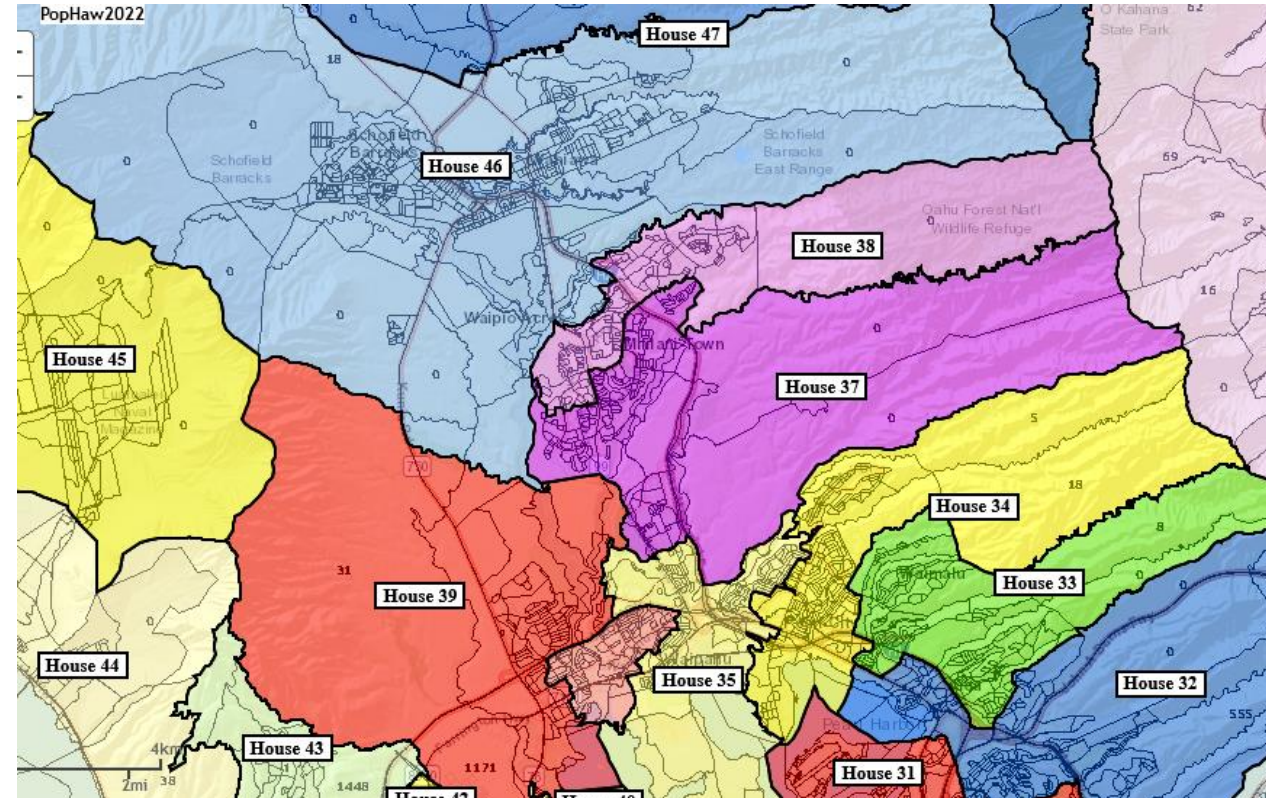


Final TC Plan

Central Oahu Overview

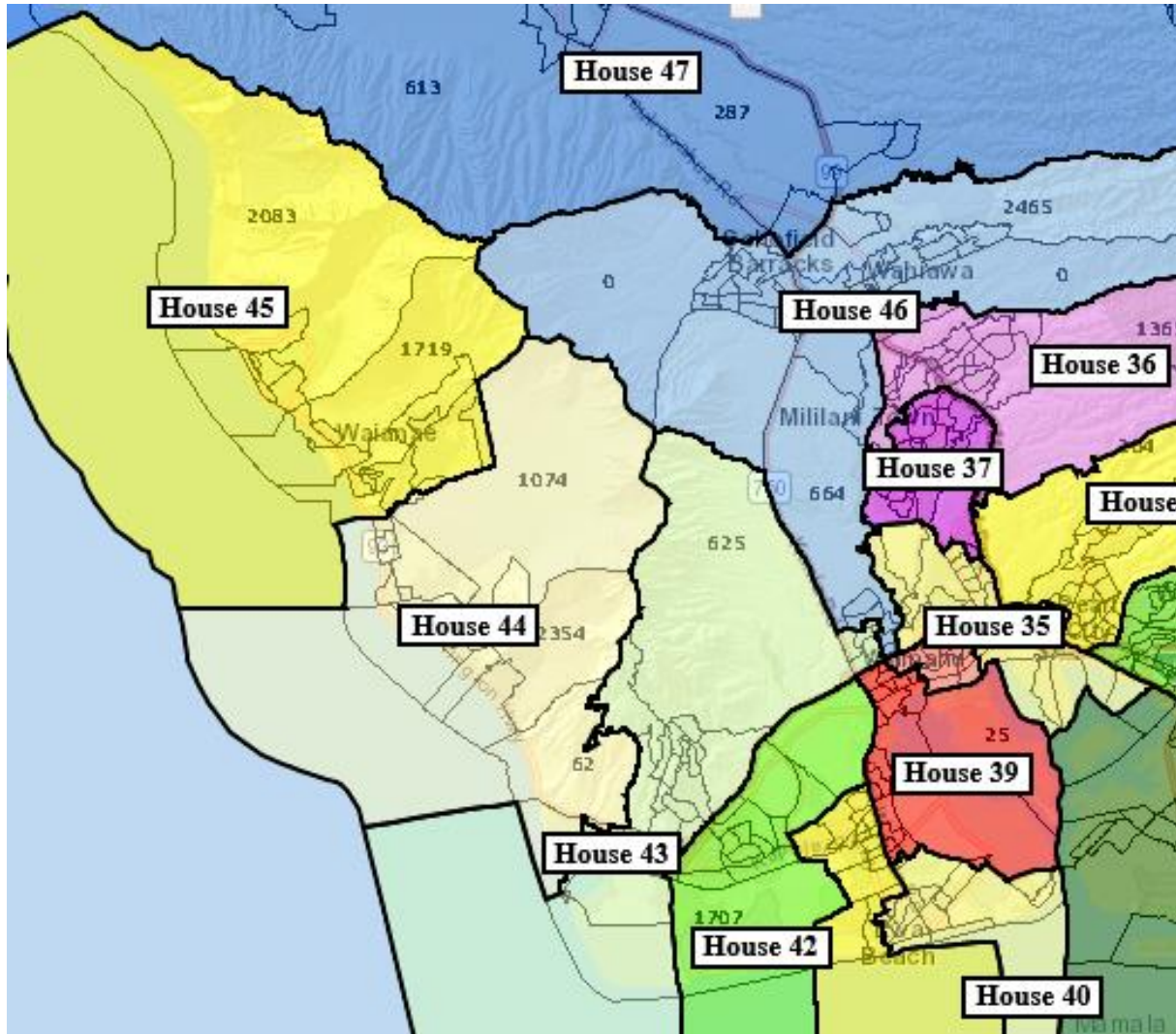


Hicks Plan

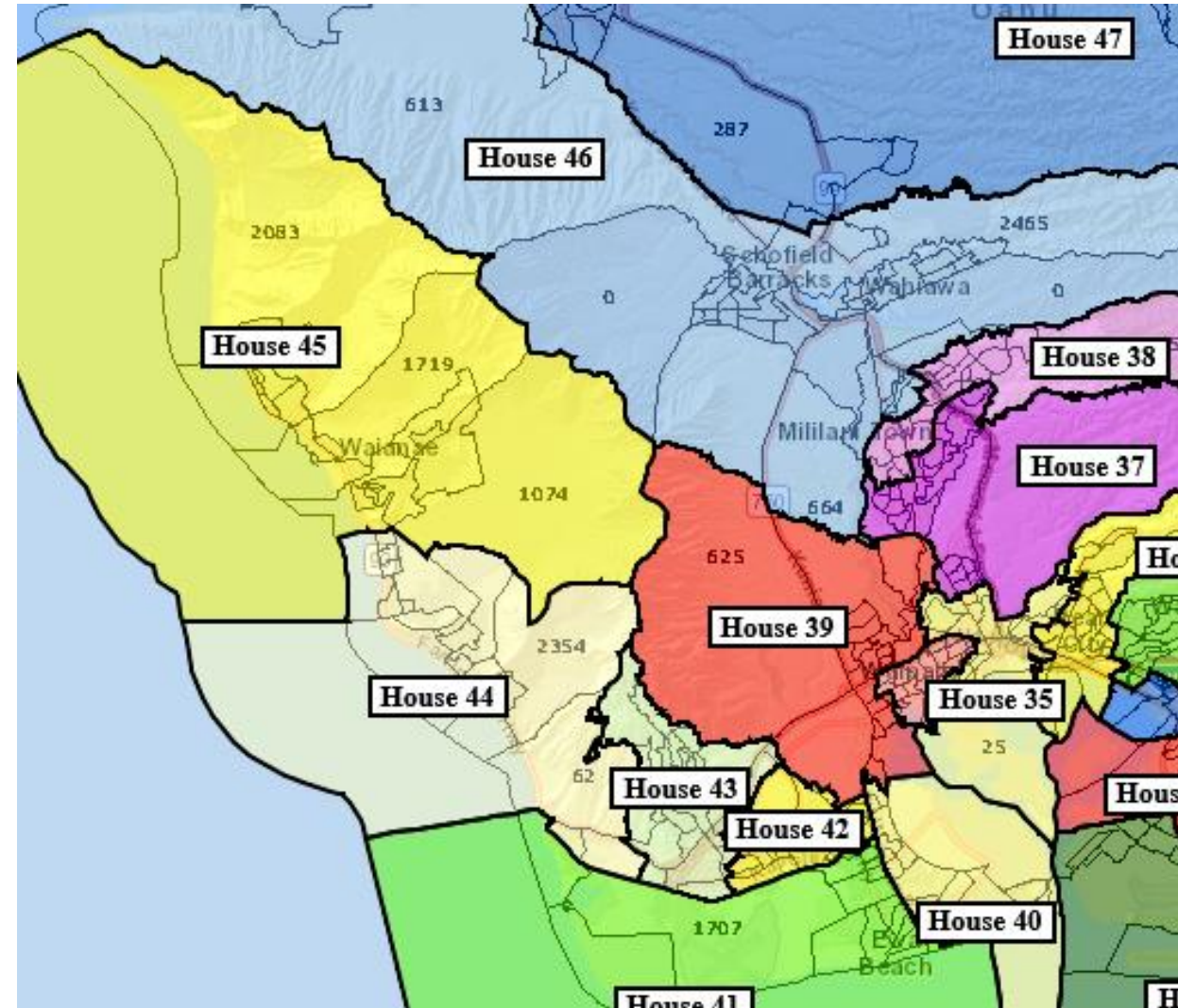


Final TC Plan

Leeward Oahu Overview

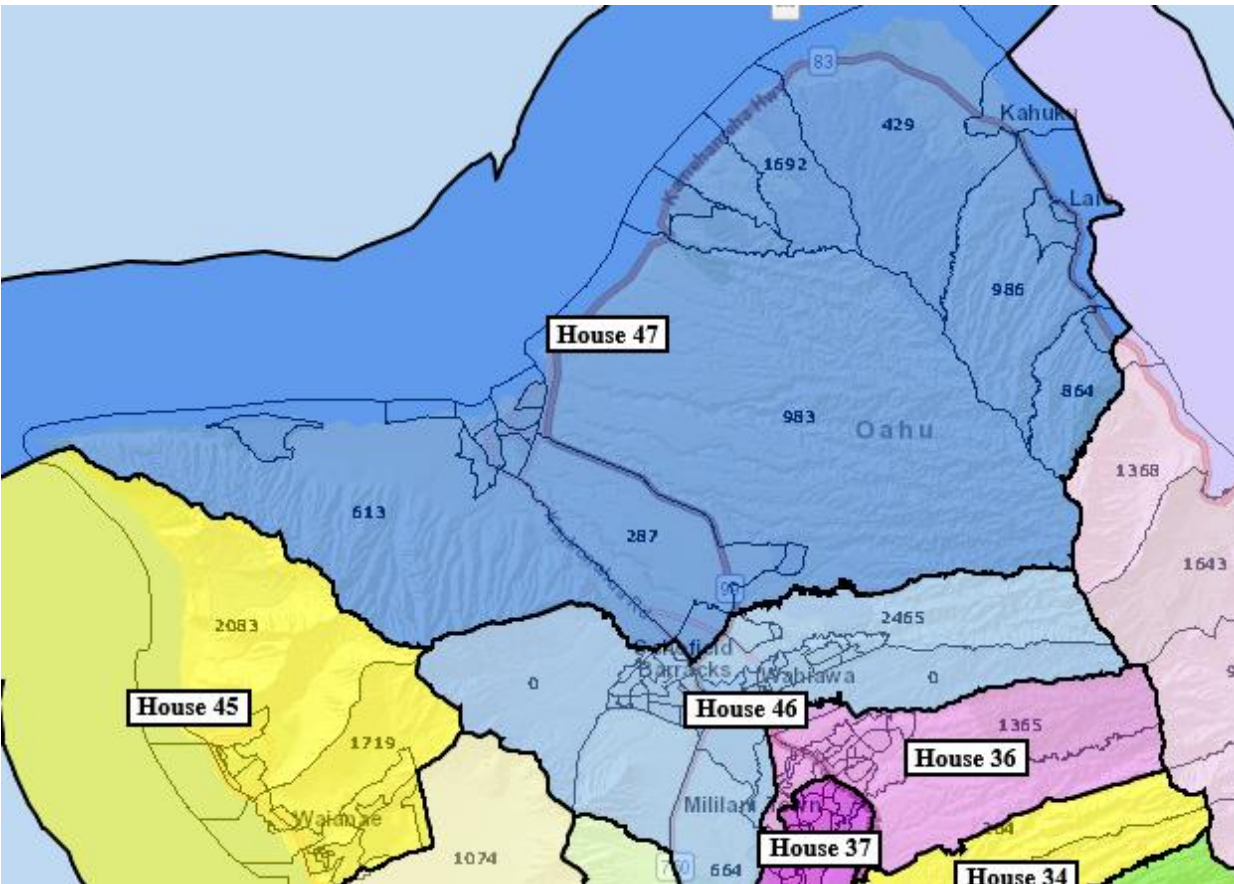


Hicks Plan

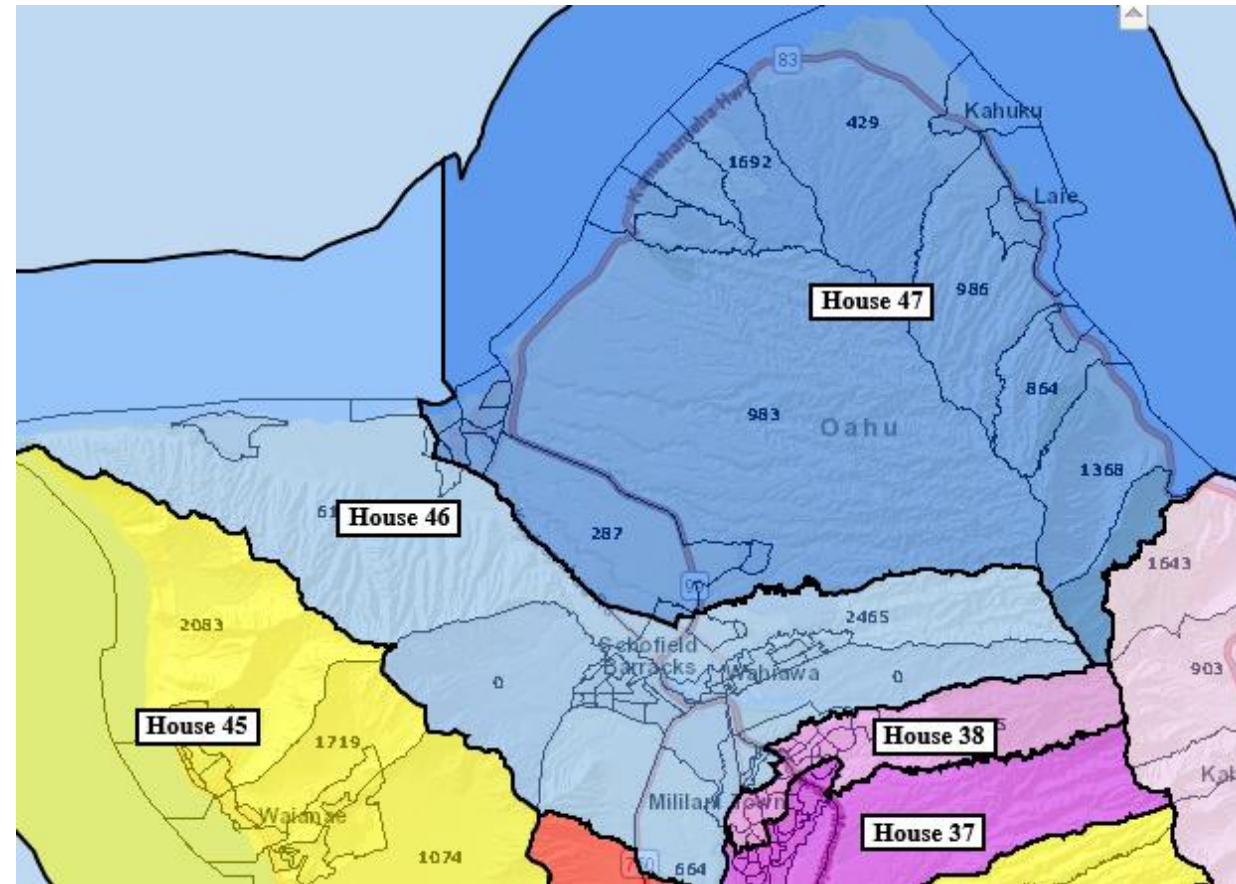


Final TC Plan

North Shore Overview



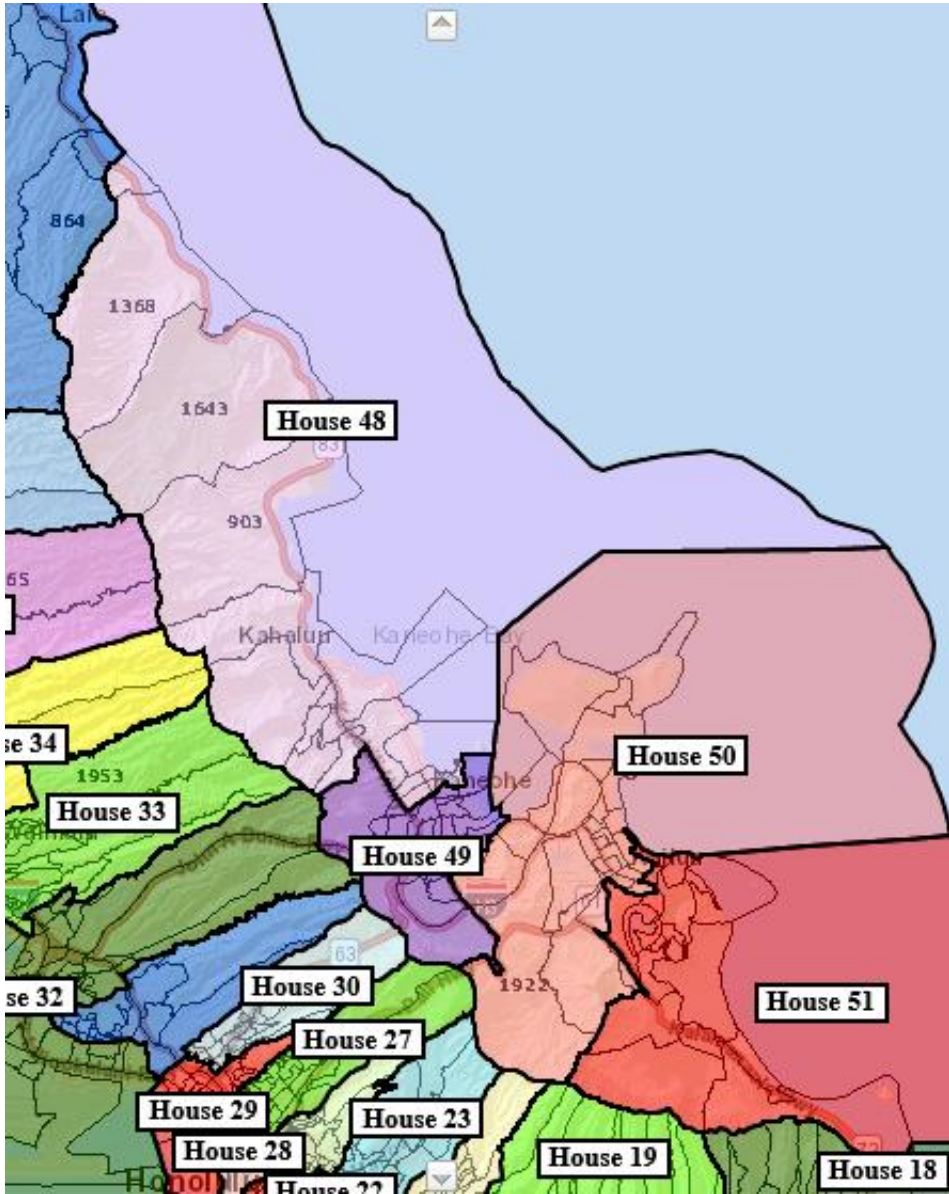
Hicks Plan



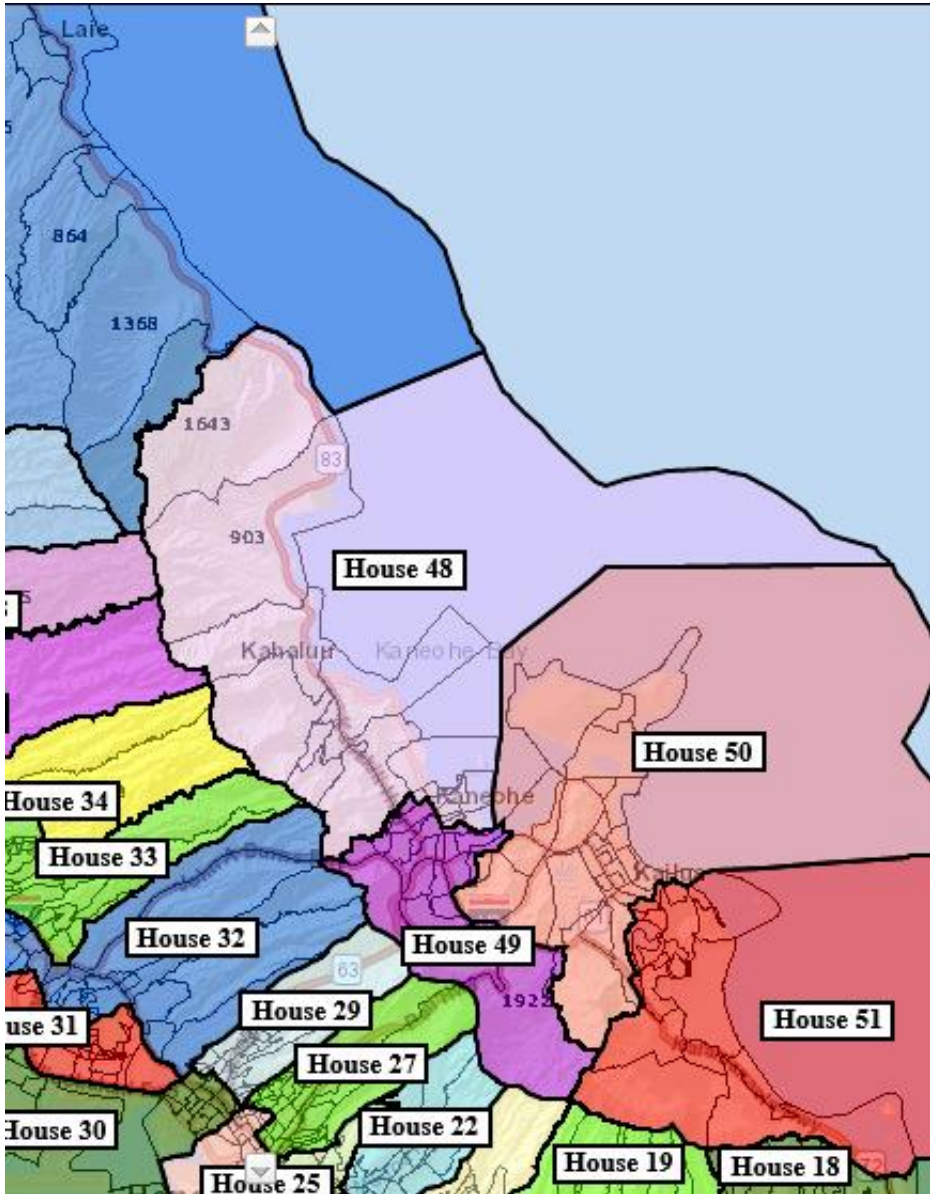
Final TC Plan

Windward Oahu Overview

Pretty similar.

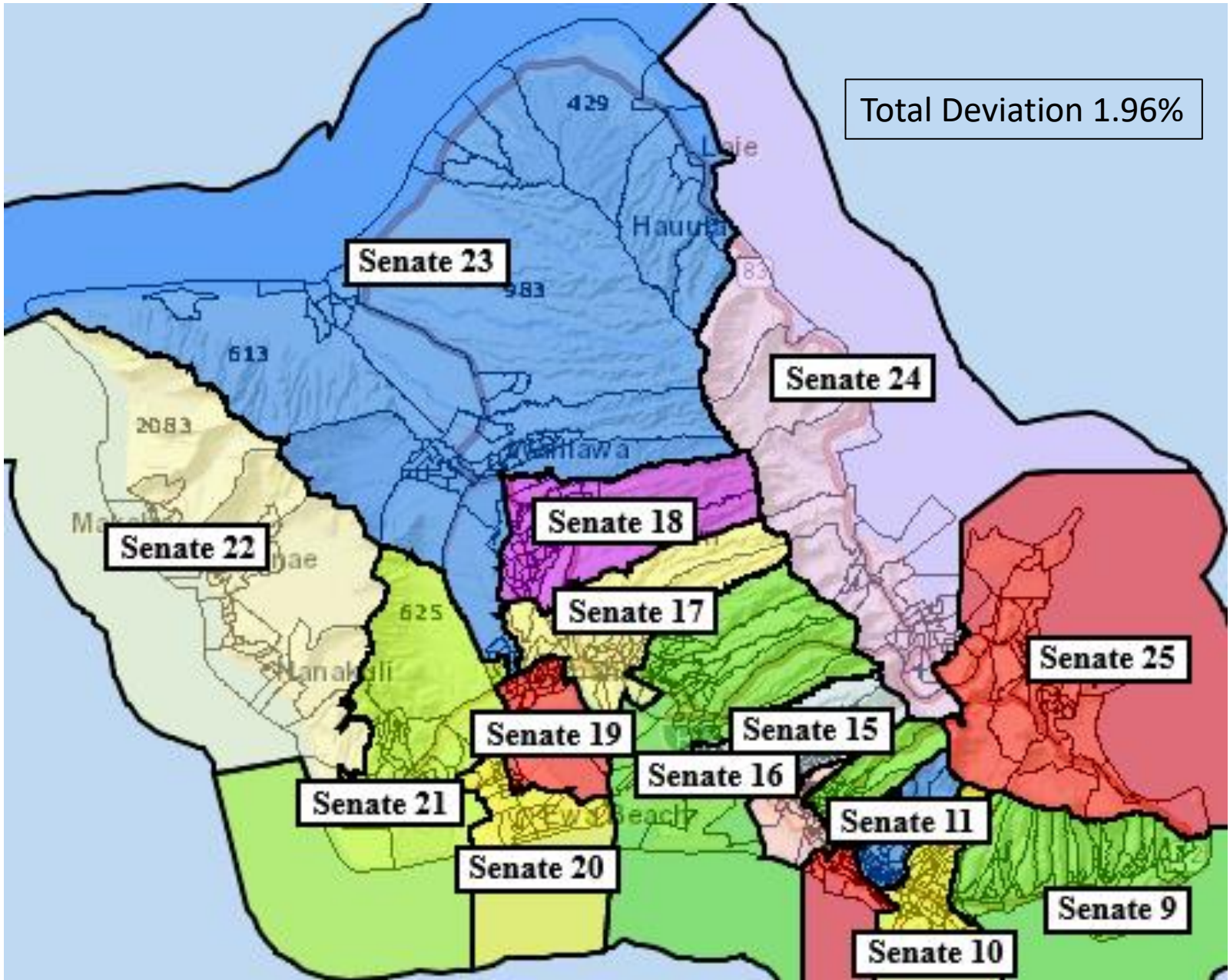


Hicks Plan



Final TC Plan

Oahu Senate

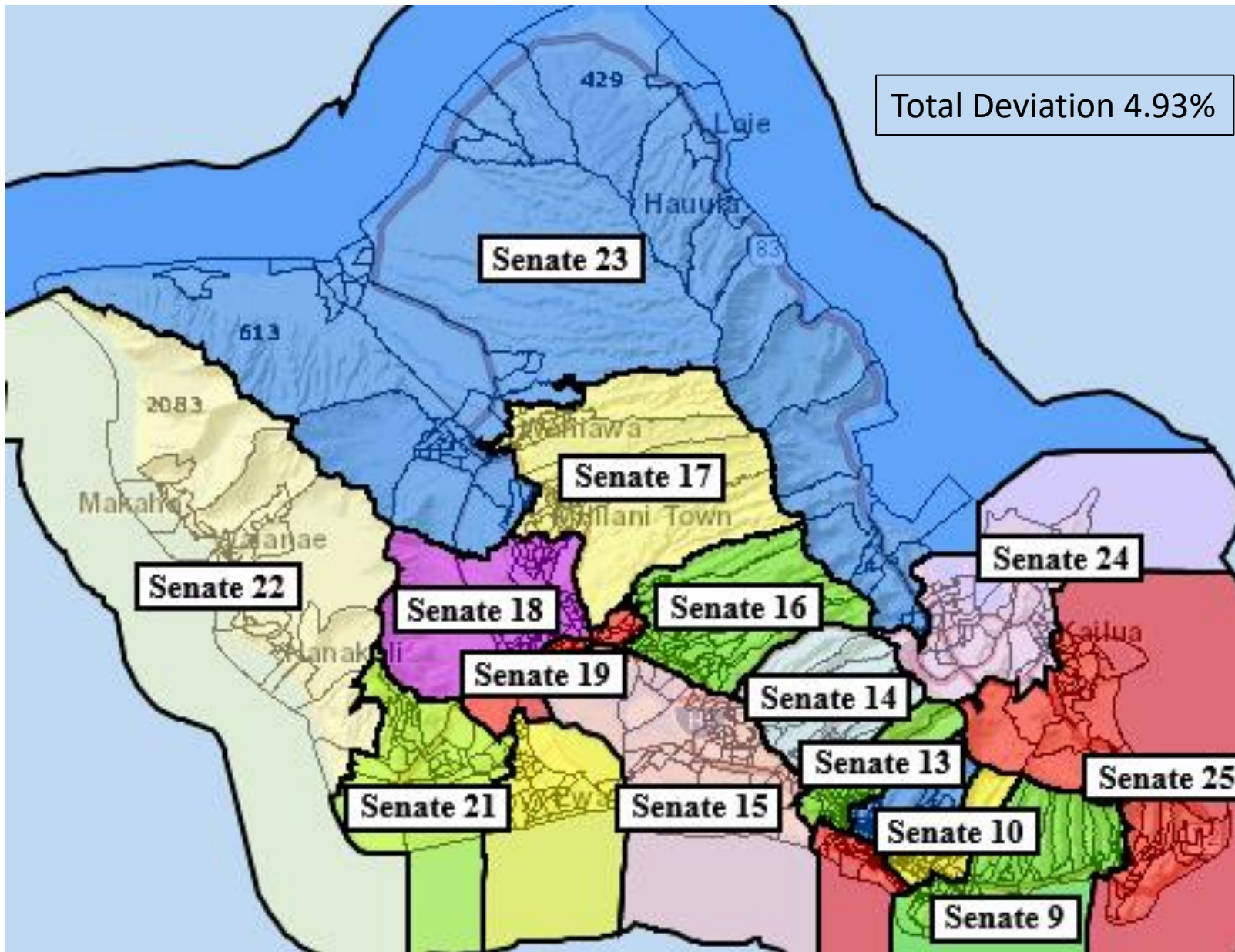


Total Deviation 1.96%

Hicks Plan w/12/31/21 Extraction Data

SD	Deviation	%
9	74	0.14%
10	536	1.00%
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21	281	0.52%
22	-116	-0.22%
23	- 9	-0.02%
24	-215	-0.40%
25	66	0.12%

Bill Hicks Oahu Senate Plan



Final TC Plan w/12/31/21 Extraction Data

SD	Deviation	%
9	- 590	-1.10%
10	55	0.10%
11	53	0.10%
12	258	0.48%
13	998	1.86%
14	1302	2.43%
15	1197	2.23%
16	811	1.51%
17	-1211	-2.26%
18	-1271	-2.37%
19	1104	2.06%
20	848	1.58%
21	1172	2.19%
22	-1122	-2.09%
23	-1087	-2.03%
24	-1340	-2.50%
25	-1176	-2.20%

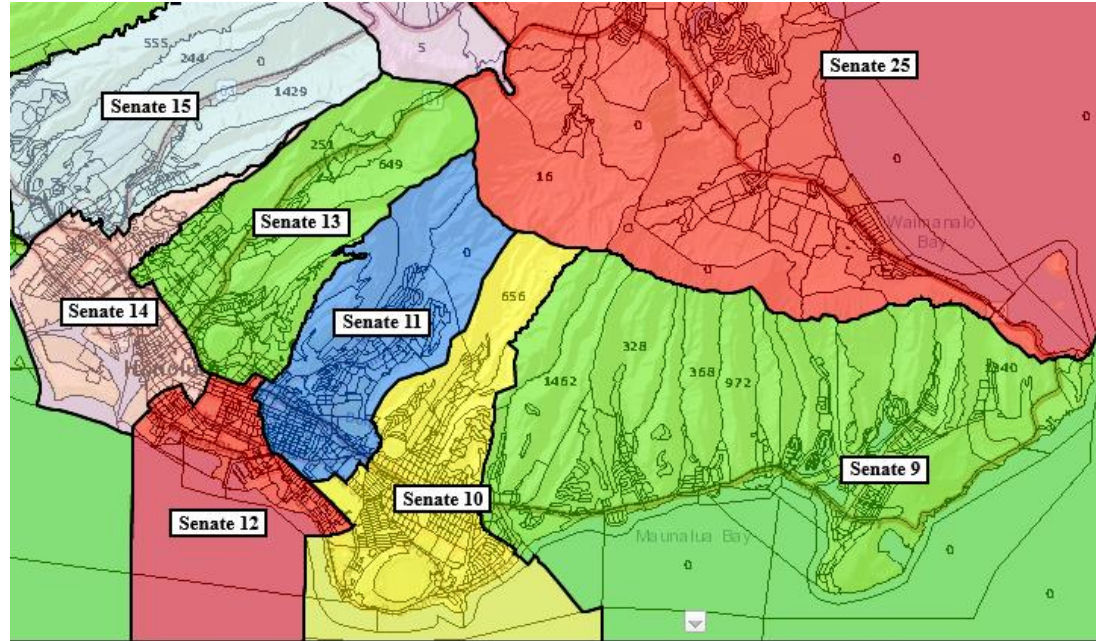
Final TC Oahu Senate Plan

Oahu Senate Differences

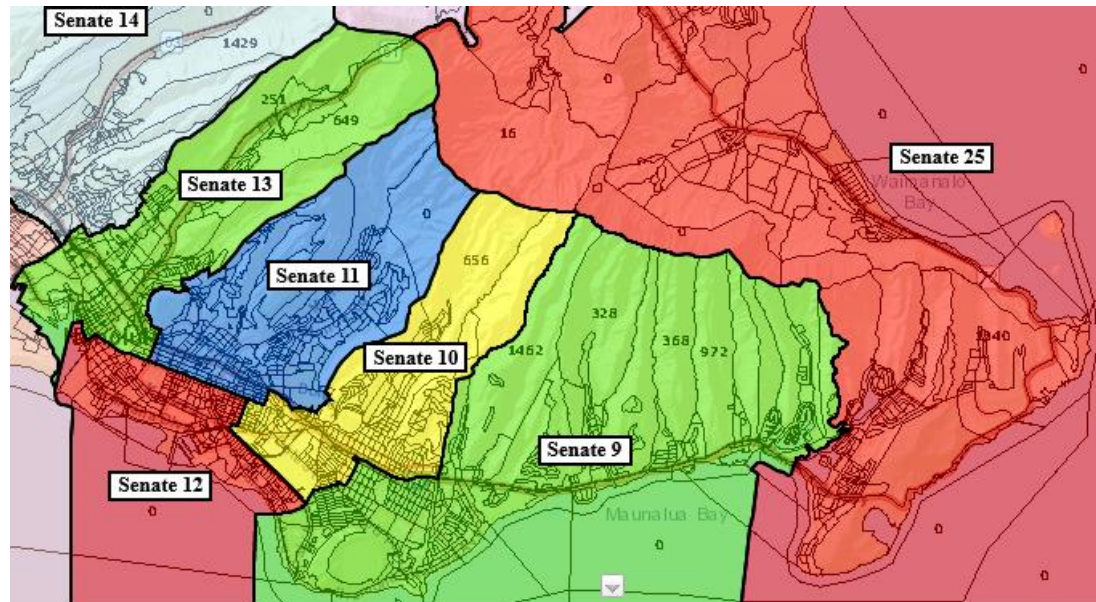
	Hicks	TC
Total Deviation	1.96%	4.93%
Makapu'u Point	Yes	No
HD w/i 1 SD	Yes	No
HD w/i 1 CD	Yes	No
East Honolulu: Hicks uses Makapu'u Point; TC doesn't		
Downtown		
Central Oahu		
Leeward Oahu		
North Shore		
Windward Oahu: Hicks uses Makapu'u Point; TC doesn't		

East Honolulu Overview

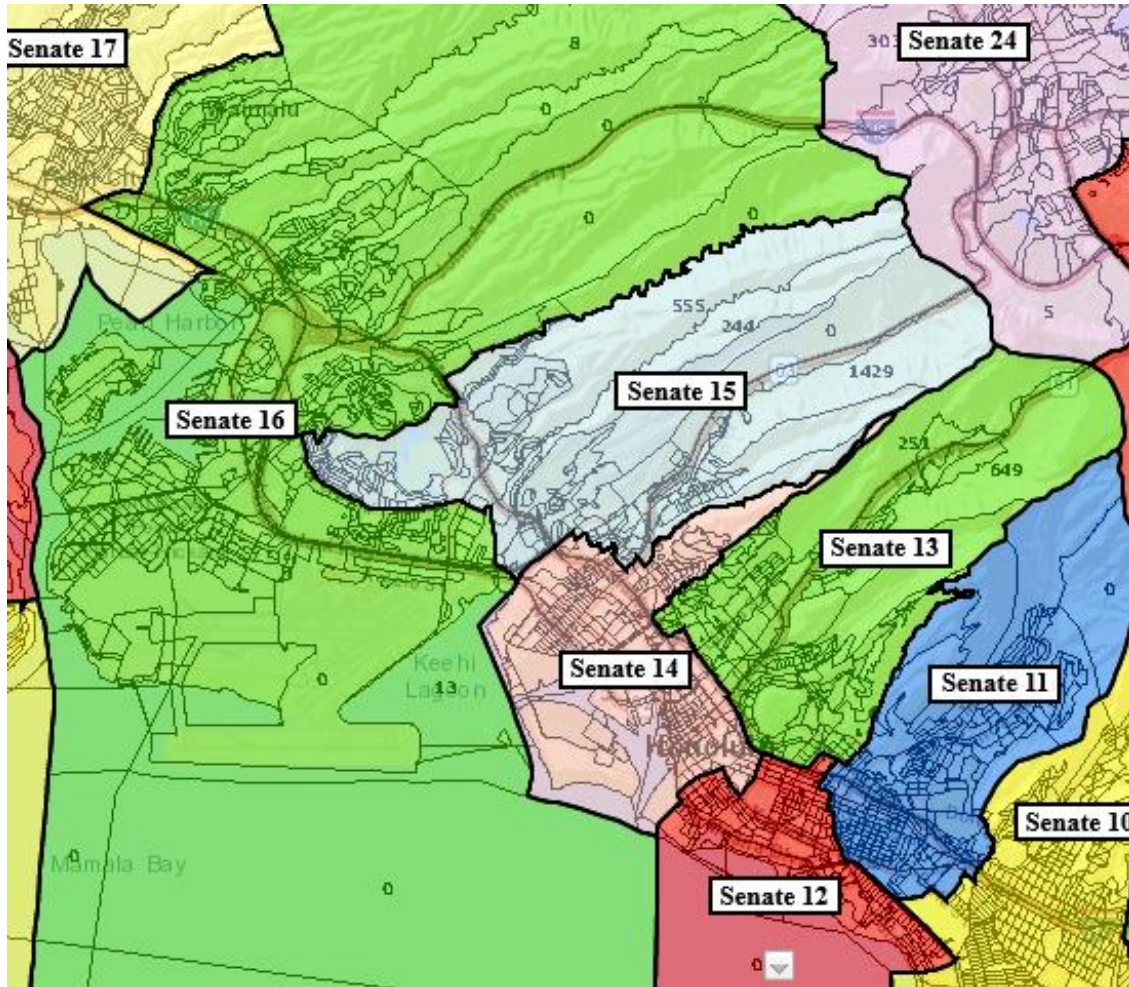
Hicks Plan



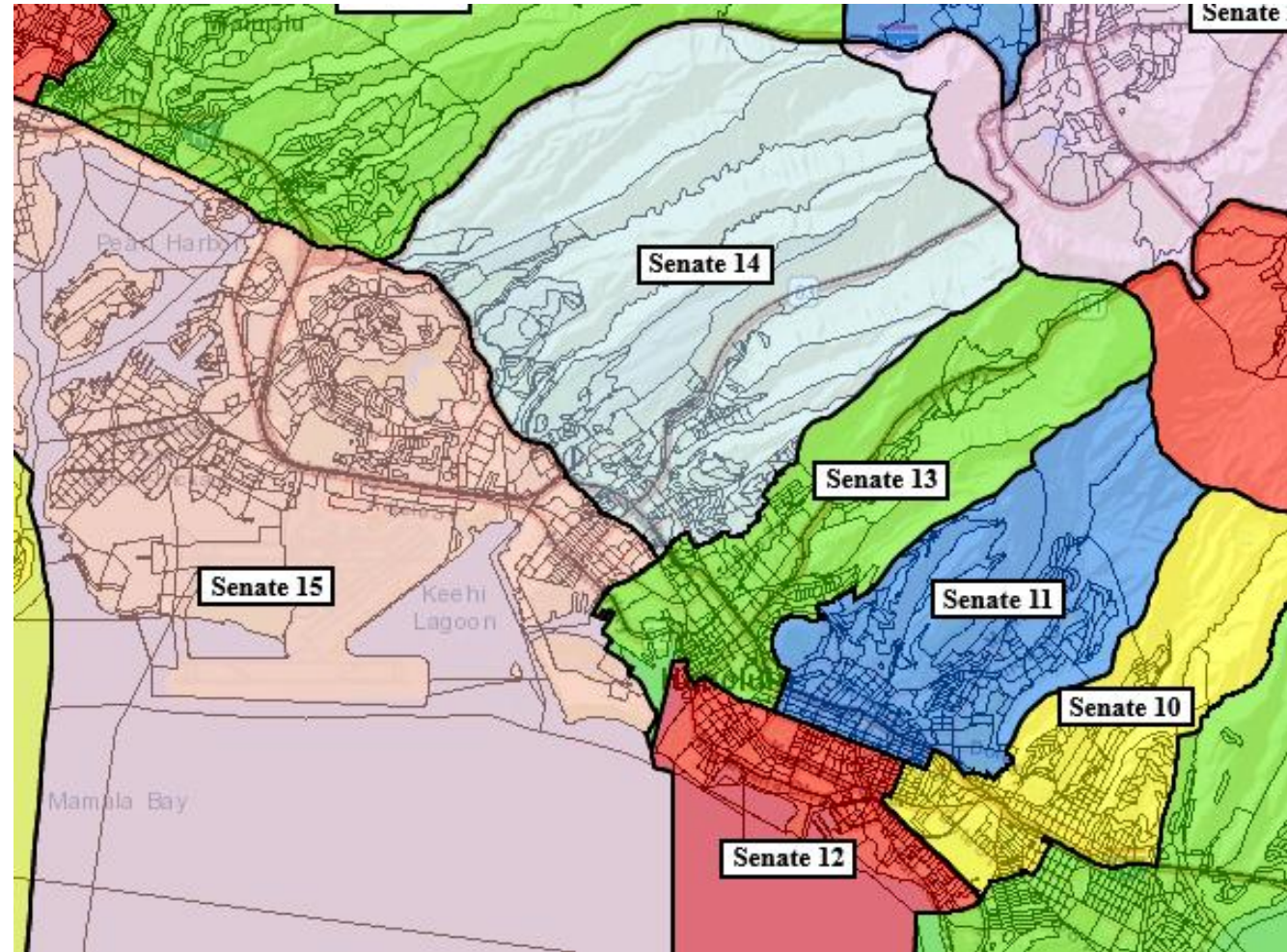
Final TC Plan



Downtown Overview

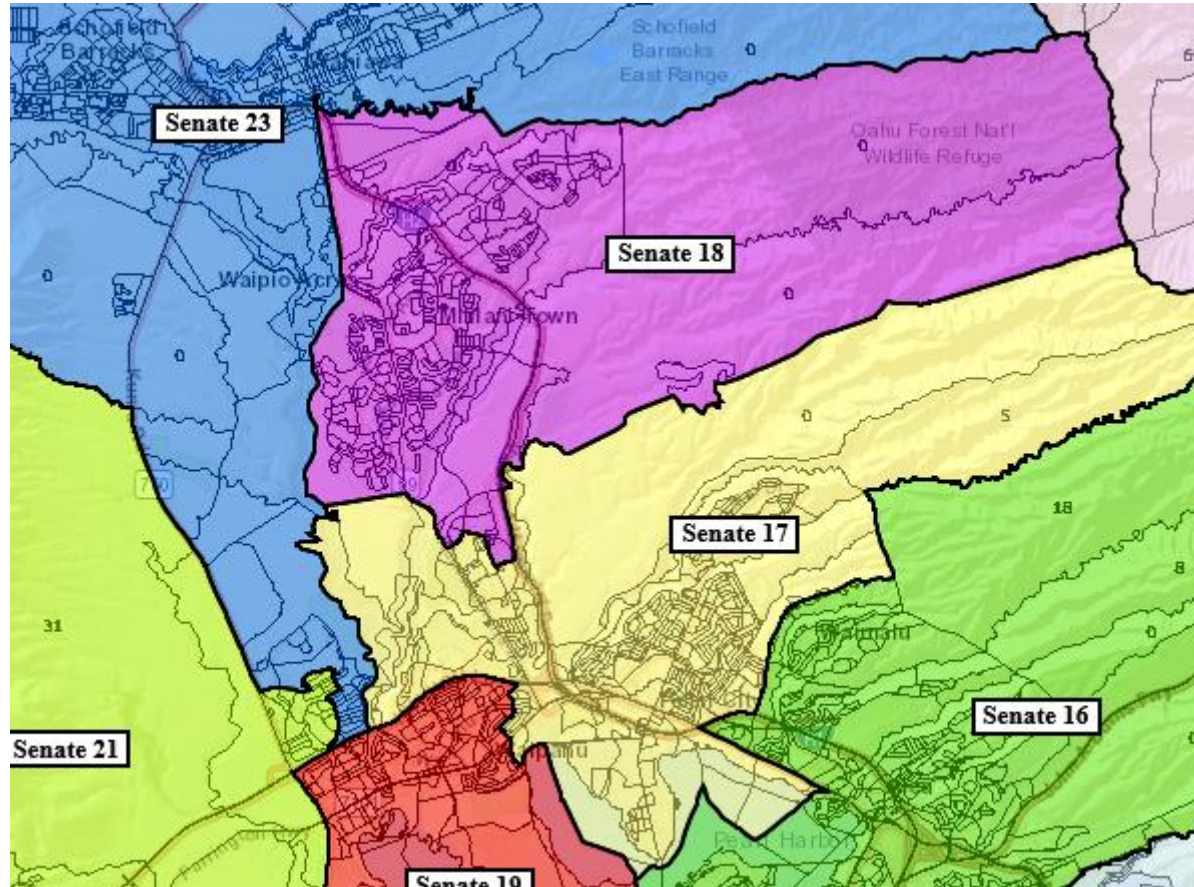


Hicks Plan

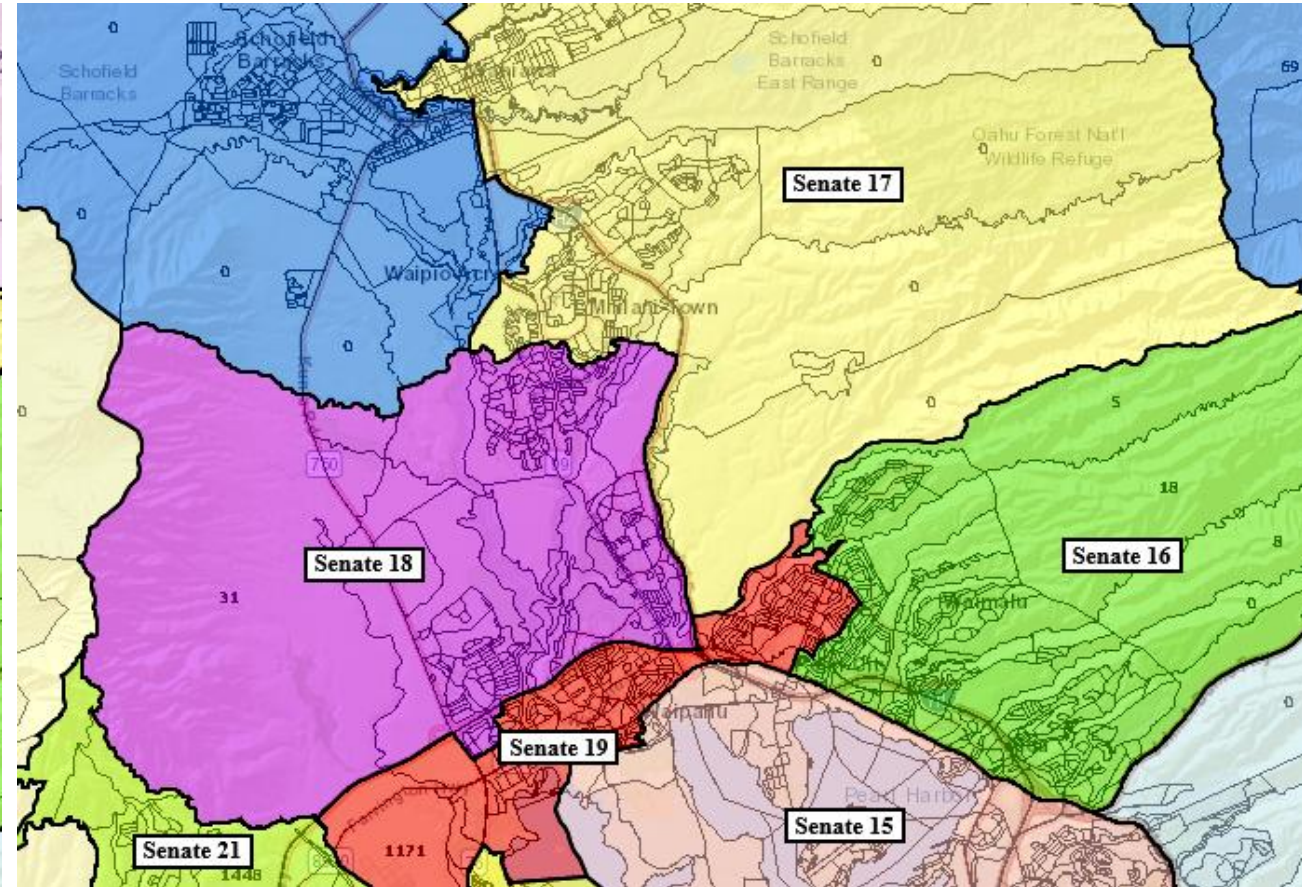


Final TC Plan

Central Oahu Overview

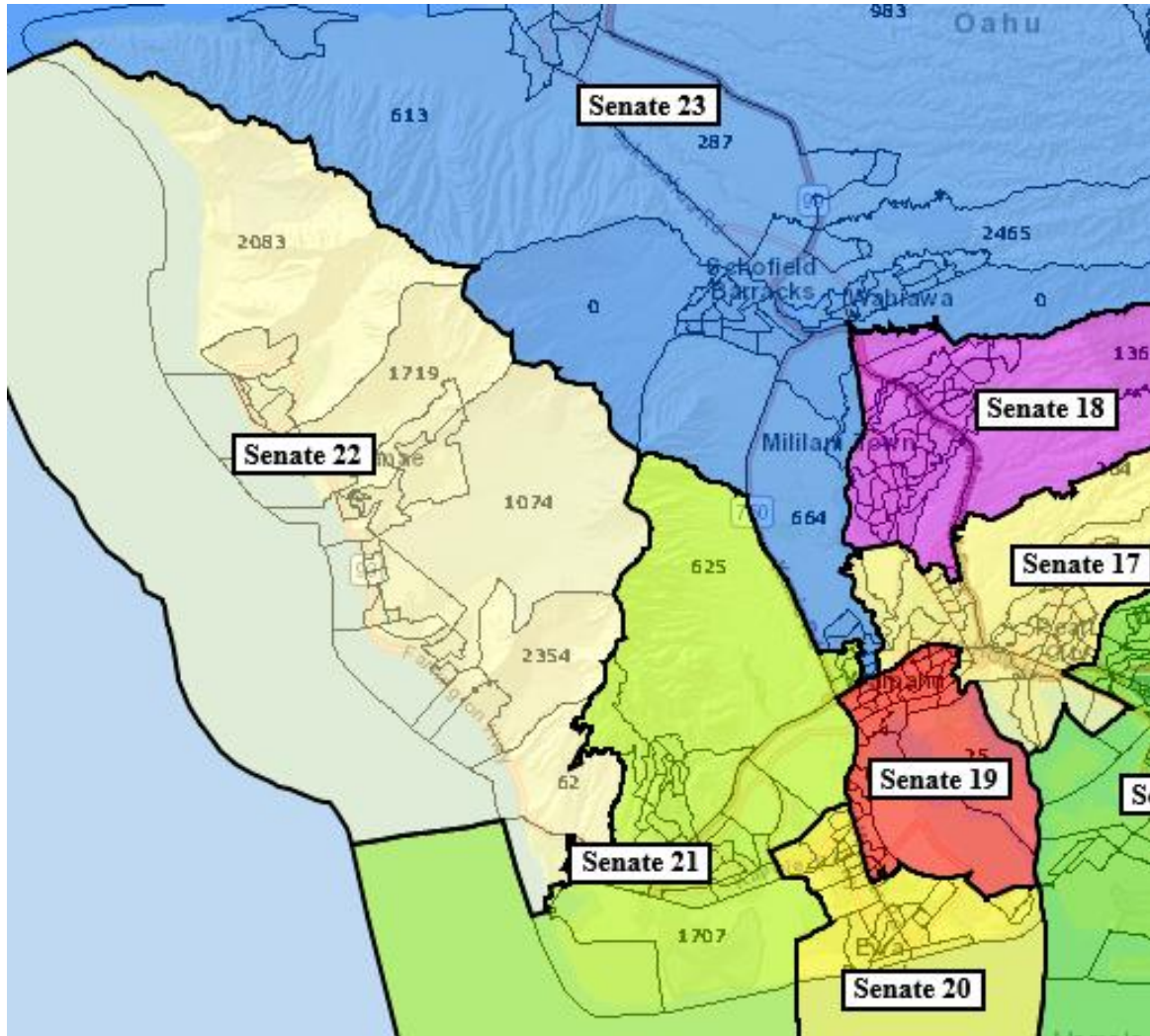


Hicks Plan

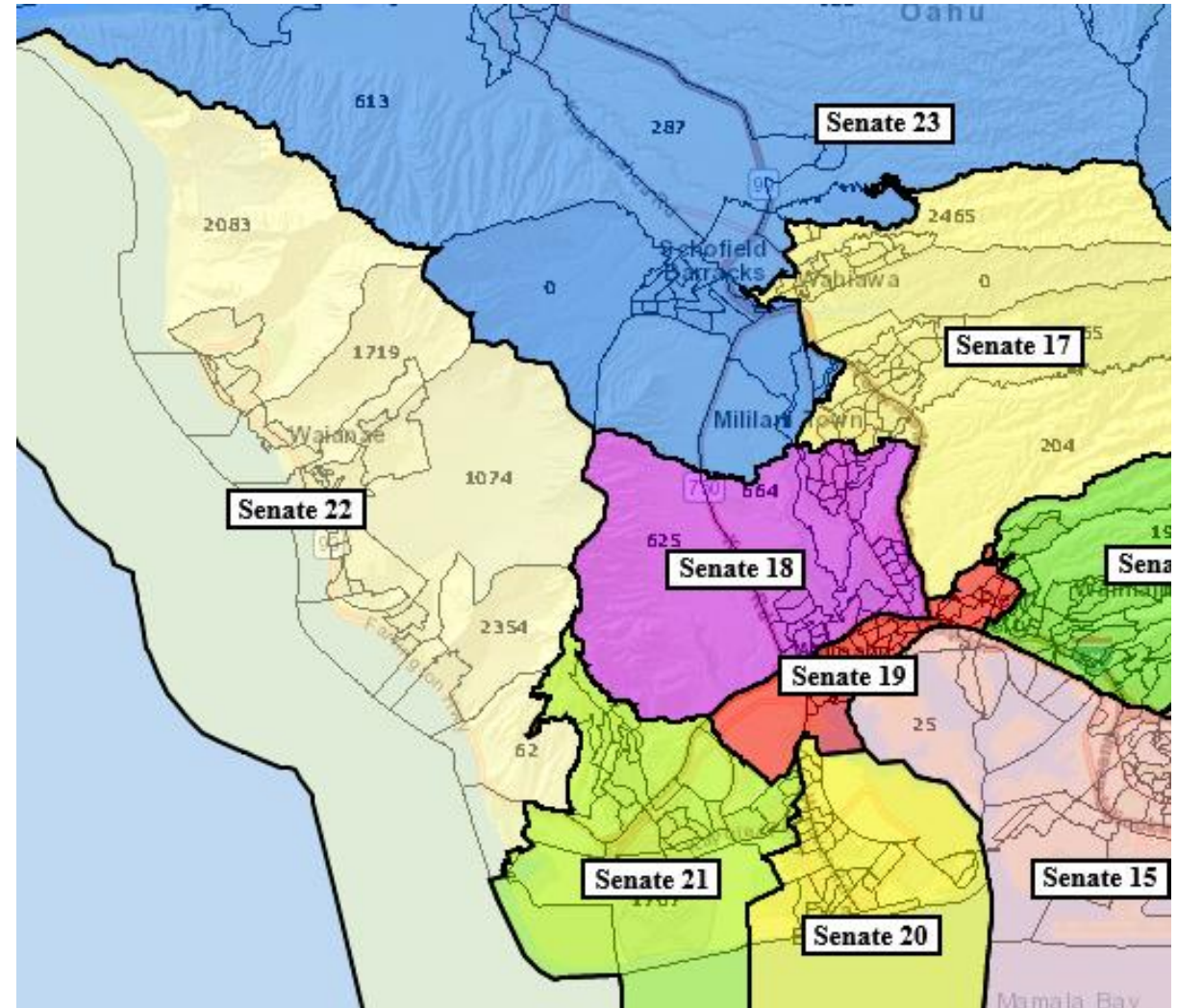


Final TC Plan

Leeward Oahu Overview

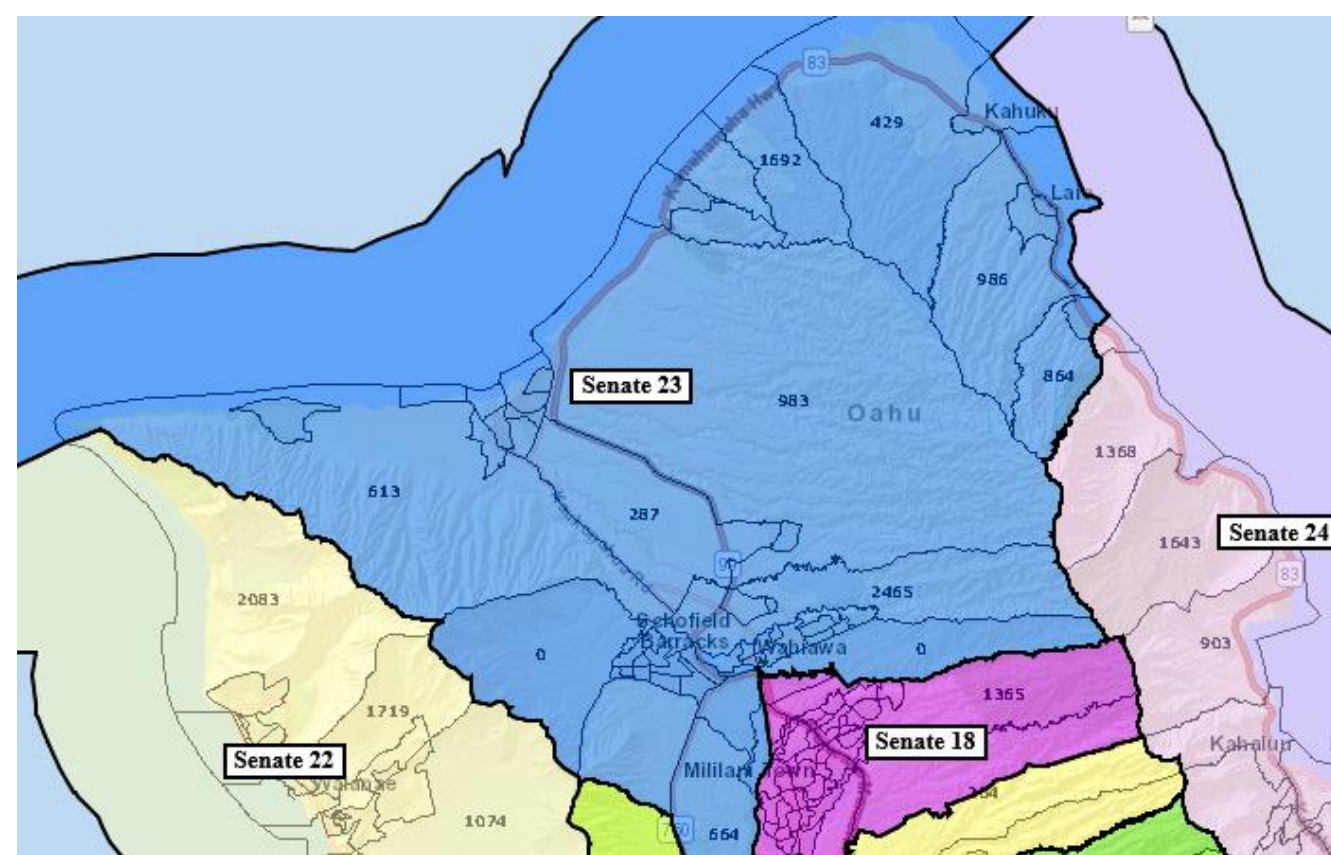


Hicks Plan

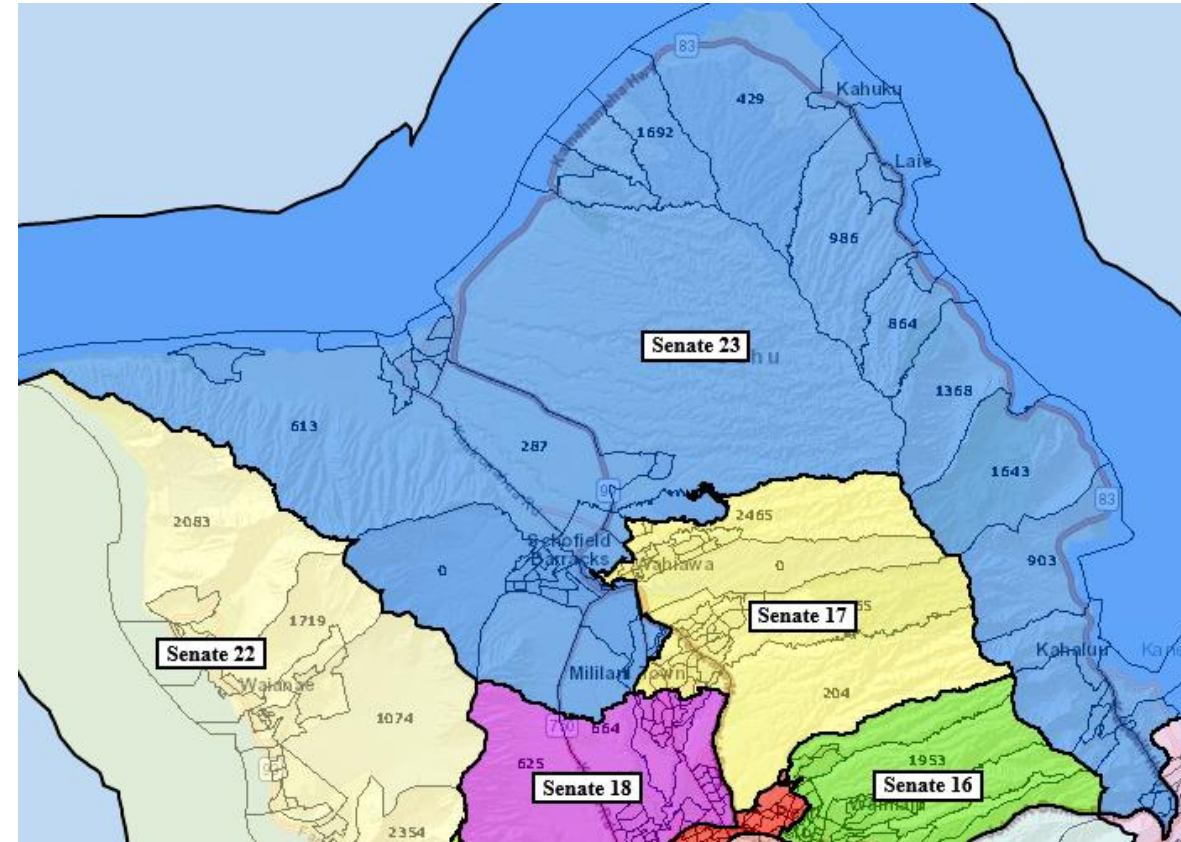


Final TC Plan

North Shore Overview

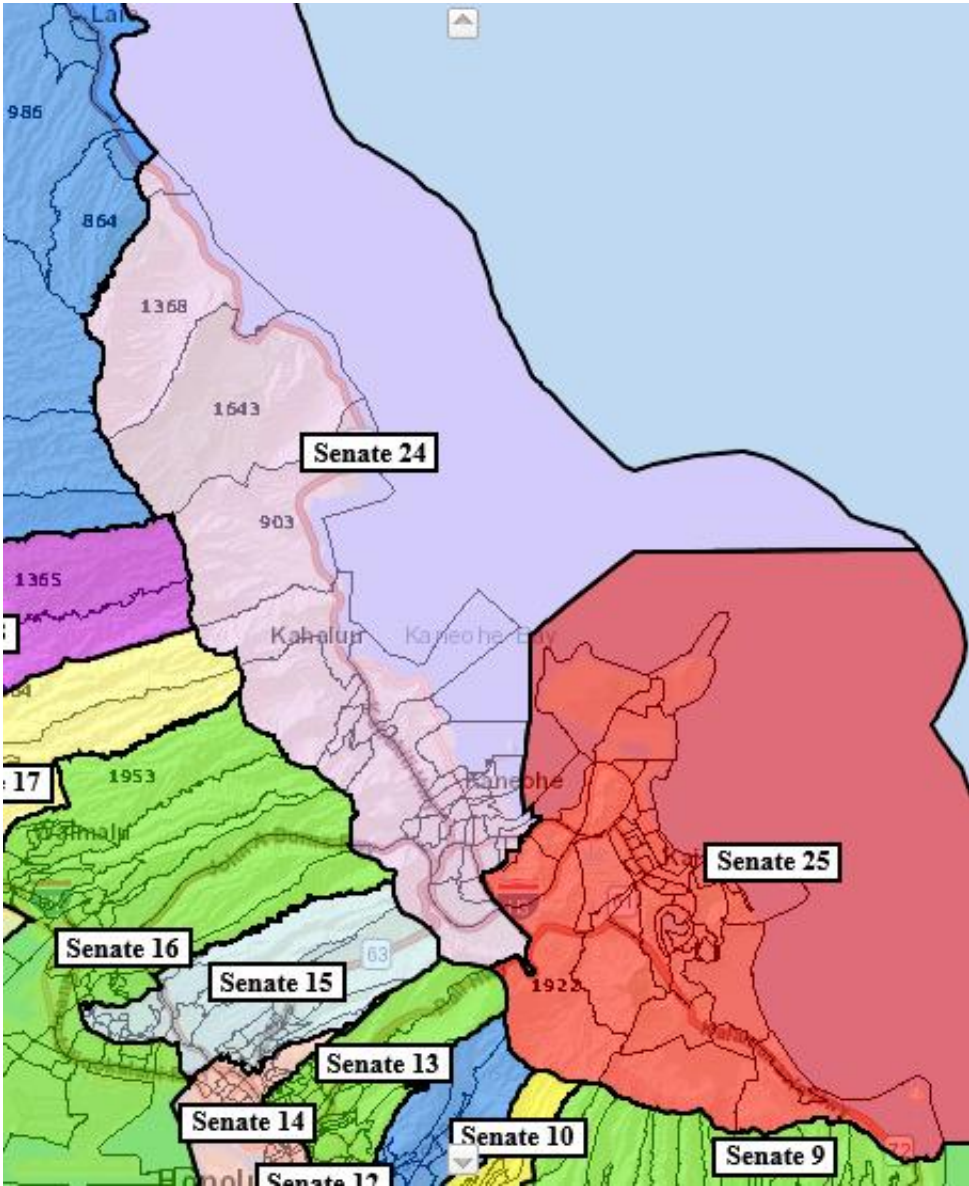


Hicks Plan

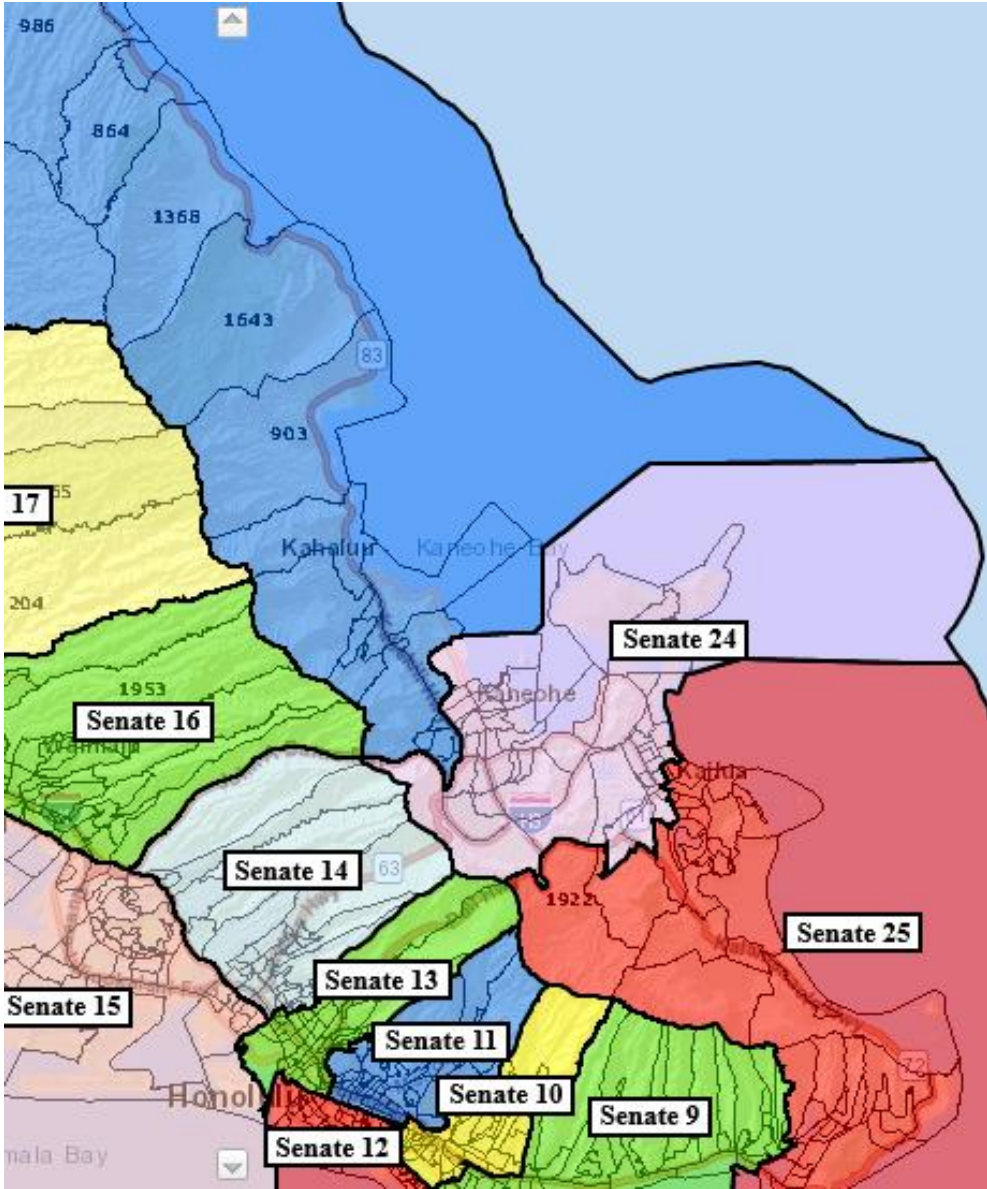


Final TC Plan

Windward Oahu Overview



Hicks Plan



Final TC Plan

Hicks Oahu Plans Comply With All Constitutional and HRS Requirements

Constitution Article IV Section 6:

- “...the average number of permanent residents in each district is as nearly equal to the average for the basic island unit as practicable.” YES - Total Deviation only 2.57% House & 1.96% Senate (Tech Committee Plan 4.02% House & 4.93% Senate)
- “...districts shall be contiguous.” YES
- “...districts shall be compact.” YES
- “...district lines shall follow permanent and easily recognized features, such as streets, streams and clear geographical features...” YES – incl. Makapu’u Point (Tech Committee Plan does not for SD 25)
- “...representative districts shall be wholly included within senatorial districts.” YES – ALL of them (Tech Committee Plan only 9 House Districts are; 2 HDs cross 4 SDs, 10 cross 3 SDs, and 13 cross 2 SDs)
- “...submergence of an area in a larger district wherein substantially different socio-economic interests predominate shall be avoided.” YES

Hawaii Revised Statutes Chapter 25 Section 2:

- “...state legislative districts shall be wholly included within congressional districts” YES – ALL House and 16 of 17 Senate (Tech Committee 12/17 Plan had 6 House & 5 Senate Districts that crossed the CD1/CD2 boundary)

Methodology

“...the average number of permanent residents in each district is as nearly equal to the average for the basic island unit as practicable.”

- 26,780 is the Target Population for each Oahu House District
- Approach: Construct the districts to achieve deviation within 400 people (1.5%) of the target (Accomplished)

“...state legislative districts shall be wholly included within congressional districts.”

- 669,605 of 910,521 (73.54%) live within CD1 and 240,916 (26.46%) within CD2.
- That works out to 25 HDs within CD1 (26,784 average) and 9 HDs within CD2 (26,768 average).
- Approach: Place 25 HDs wholly within CD 1 and 9 HDs wholly within CD 2 (Accomplished)

Methodology (continued)

“...districts shall be contiguous...compact...follow permanent and easily recognized features, such as streets, streams and clear geographical features...”

- Approach: Use both Ka’ena Point and Makapu’u Point as natural boundaries. Keep valleys wholly intact. Use mountain ridges, highways, and major streets as boundaries as much as possible. (Accomplished)

“...representative districts shall be wholly included within senatorial districts”.

- Approach: Construct House districts first as they have better granularity. Then join 2 House districts to form 1 Senate district. There will be greater synergy with every representative only needing to coordinate with one senator (the commission’s plan was up to 4 senators) and every senator only needing to coordinate with 2 representatives (the commission’s plan was up to 7 representatives). (Accomplished)

Methodology (continued)

This alternative “Hicks Plan” is preliminary as of 1/9/22. It is being submitted to all Neighborhood Board Chairs for review and local suggestions. (In progress)

Problems With This Methodology

- I did not like the way House District 43 stretches from the southwest tip of Oahu and ends in a portion of Royal Kunia. Looking at CD 2 House districts, the Waianae mountain range dictates HDs 45 & 44, and the CD 1/CD 2 boundary fixes the mauka lines of HD 42, so there is little maneuvering room for HD 43.
- I also did not like the way House District 46 wraps around Mililani and stretches all the way south to end in a portion of Royal Kunia. That wrap around follows the CD 1/CD 2 boundary. Once again, the CD 1/CD 2 boundary was a constraint.
- The problem is being constrained by the already set CD 1/CD 2 boundary.
- The root cause is the sequence. The Commission fixed the CD boundaries first, which can doom successfully fitting legislative districts wholly into congressional districts.
- The fix is simple. Draw House Districts first, mindful that the intent is to later join two House Districts together to form each Senate District. THEN draw the CD 1/CD 2 boundary to wholly include Oahu House and Senate Districts, recognizing that one House District and one Senate District might cross CD lines.

From: [Lisa Bishop](#)
To: [OE.Elections.Reapportionment](#)
Subject: [EXTERNAL] Lisa Bishop testimony for OAC 14 JAN 2022 Meeting/Request to Testify
Date: Friday, January 14, 2022 9:26:03 AM
Attachments: [Bishop test Reapp 1.14.22.pdf](#)

Aloha,

Please forward my testimony to the OAC for today's meeting and add me to the list to provide oral testimony. Mahalo!

Lisa Bishop

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January 14, 2022

Aloha Reapportionment Commission Oahu Advisory Council,

I am Lisa Bishop, a resident of Oahu. Mahalo for the opportunity to testify today.

I am very grateful that the Technical Committee chose to reinstate Makapu'u Point as a natural geographic boundary between HD 51 and HD 18 (old HD 17) as they redrew maps with the revised, final extraction numbers.

However, the new Senate plan does not recognize Makapu'u Point as a natural geographic boundary, and does not align entire House Districts into Senate Districts. With 17 Senate and 34 House Districts, it is feasible to make the House Districts the best they can be, and then simply combine two House Districts to form each Senate District. The Constitution calls for representative districts to be wholly included within one senate district if practicable. In the current redistricting draft, only 9 House Districts are wholly inside one Senate District. Some cross over up to 4 Senate Districts.

Please review the new Oahu House and Senate "Hicks Plans" that demonstrate that every Constitutional and HRS criteria is indeed "practicable". Using those plans as an example, I urge you to speak for Oahu and strongly recommend the Technical Committee apply the State Constitutional mandates to the Oahu Senate Districts.

Since decisions are made by those who show up, I also request that the Oahu Advisory Council be present and represent Oahu residents at all of the upcoming Reapportionment Commission Hearings. This process is not about ensuring political incumbents retain their seats. This is about abiding by our State Constitution to ensure what is best for our residents and our communities. Please show up for us.

Mahalo,

Lisa Bishop
Oahu resident, homeowner, taxpayer and voter