

Electronically Filed
Supreme Court
SCPW-22-0000078
23-FEB-2022
04:08 PM
Dkt. 16 EXH

APPENDIX N

NEW EXTRACTION DATA BASED ON UPDATED
MILITARY NON-PERMANENT RESIDENTS NUMBERS

Hawaii Population Base – using 12/31/2021 DMDC data

Hawaii Population Base using June 2, 2020 military dataset - as adopted

Federal Population Base 1,455,271 U.S. Census residents

Statewide extraction of  64,415 military non-permanent residents
 Statewide extraction of  7,250 university non-permanent residents

Hawaii Population Base 1,383,606 Hawaii permanent residents
 55,344 Statewide Senate ideal population
 27,129 Statewide House ideal population
 18,205 Statewide Senate+House ideal population

Federal Population Base by Basic Island Unit

Oahu 1,016,508
 Hawaii 200,629
 Maui 164,836
 Kauai 73,298

Hawaii Population Base by Basic Island Unit

Oahu 945,909 using military extraction of 64,010
 and university extraction of 6,589
 Hawaii 200,090 using military extraction of 40
 and university extraction of 499
 Maui 164,610 using military extraction of 117
 and university extraction of 109
 Kauai 72,997 using military extraction of 248
 and university extraction of 53

State Senate Seats and Ideal Population by Basic Island Unit

Oahu 17 target = 55,642
 Hawaii 4 target = 50,023
 Maui 3 target = 54,870
 Kauai 1 target = 72,998

State House Seats and Ideal Population by Basic Island Unit

Oahu 35 target = 27,026 
 Hawaii 7 target = 28,584 
 Maui 6 target = 27,435
 Kauai 3 target = 24,332

State Senate+House (in totality) Seats and Ideal Population by Basic Island Unit

Oahu 52 target = 18,190 % deviation = -0.08%
 Hawaii 11 target = 18,190 % deviation = -0.08%
 Maui 9 target = 18,290 % deviation = 0.47%
 Kauai 4 target = 18,249 % deviation = 0.24%

maximum deviation = 0.47%
 minimum deviation = -0.08%

 overall (total) deviation = 0.55% 

Hawaii Population Base using December 31, 2021 military dataset - all rows

Federal Population Base 1,455,271 U.S. Census residents

Statewide extraction of  99,967 military non-permanent residents
 Statewide extraction of  7,250 university non-permanent residents

Hawaii Population Base 1,348,054 Hawaii permanent residents
 53,922 Statewide Senate ideal population
 26,432 Statewide House ideal population
 17,737 Statewide Senate+House ideal population

Federal Population Base by Basic Island Unit

Oahu 1,016,508
 Hawaii 200,629
 Maui 164,836
 Kauai 73,298

Hawaii Population Base by Basic Island Unit

Oahu 910,521 using military extraction of 99,398
 and university extraction of 6,589
 Hawaii 199,990 using military extraction of 140
 and university extraction of 499
 Maui 164,539 using military extraction of 188
 and university extraction of 109
 Kauai 73,004 using military extraction of 241
 and university extraction of 53

State Senate Seats and Ideal Population by Basic Island Unit

Oahu 17 target = 53,560
 Hawaii 4 target = 49,998
 Maui 3 target = 54,846
 Kauai 1 target = 73,004

State House Seats and Ideal Population by Basic Island Unit

Oahu 34 target = 26,780 
 Hawaii 8 target = 24,999 
 Maui 6 target = 27,423
 Kauai 3 target = 24,335

State Senate+House (in totality) Seats and Ideal Population by Basic Island Unit

Oahu 51 target = 17,853 % deviation = 0.65%
 Hawaii 12 target = 16,665 % deviation = -6.04%
 Maui 9 target = 18,282 % deviation = 3.07%
 Kauai 4 target = 18,251 % deviation = 2.89%

maximum deviation = 3.07%
 minimum deviation = -6.04%

 overall (total) deviation = 9.11% 