PATTON BOGGS LLP
ATTORNEYS AT LAW

601 West 5th Avenue
Suite 700
Anchorage, AK 99501
907-263-6300

Facsimile 907-263-6345

MEMORANDUM

To: Alaska Redistricting Board
From: Michael D. White
Date: March 27, 2012
Subject: Review of Hickel Process Plans for Compliance with Alaska Constitution

I. INTRODUCTION

Compliance with the March 14, 2012, Alaska Supreme Court order requires the Board to follow the so-called "Hickel Process" which requires the Board to: (1) design a plan that complies with the requirements of the Alaska Constitution ("Hickel Plan"); (2) measure that plan against the requirements of the federal Voting Rights Act ("VRA") to determine whether that plan complies with the VRA; and if it does not, (3) adopt a final plan that deviates from the requirements of the Alaska Constitution "to the least degree reasonably necessary to ensure compliance with the Voting Rights Act." The Supreme Court recommended that the Board make appropriate findings "in furtherance of the Hickel process."

As a starting point for this process, Board staff was tasked with designing several "Hickel Plans" for consideration by the Board. Three such plans, referred to as "Hickel 001," "Hickel 002" and "Hickel 003" were created by Board staff and presented to the Board on March 26, 2012. Another plan, "Hickel 004" was presented to the Board on March 27.

In creating these plans, Board staff used the "Hickel Template" as the basis for drafting various options. The Hickel Template does not change those election districts from the Proclamation Plan that: (1) were constructed to comply Alaska Constitutional redistricting requirements without reference to the VRA; and (2) were either not subject to

legal challenge, or directly or indirectly affected by any successful legal challenge. [Statewide and regional maps of the Hickel Template are attached hereto as Attachment A.]

In effect, this meant that there were four undrawn election districts in rural Alaska that needed to be created. Based on the census data, Board staff determined that to create four "ideal" election districts, requires a population of 71,020 (17,755 x 4). To draw these districts at the maximum allowable deviation of -5.0% requires a population of 67,468. The undrawn areas had a population of 62,240 or enough population for approximately 3.5 House Districts. Thus, in order to comply with the equal population requirements of Art. VI, Sec. 6, a minimum of 5,228 people needed to be added from some urban area of the state to at least one rural district. The requirement of adding urban population to a rural district is, as noted by both the Trial Court and the Supreme Court, not a matter of "if" but only a matter of where and has nothing to do with the requirements of the VRA. The four different Hickel Plans attempt to resolve the rural population shortfall by taking population from four different urban areas of the state.

II. ANALYSIS OF HICKEL PLANS

A. Hickel-001

In my opinion, Hickel-001 [Attachment B] complies with the requirements of the Alaska Constitution. All forty (40) of the House districts are contiguous, relatively compact and as nearly as practicable socio-economically integrated. The Plan has an overall deviation of 8.93% which is within the equal population requirements of Article VI, Sec. 6. Each of the Senate districts is composed of two contiguous House districts.

Hickel-001 resolves the rural population shortfall by taking 5,809 people from the Fairbanks North Star Borough ("FNSB") and adding to HD-37, which otherwise closely resembles Benchmark District 6. Fairbanks has approximately ½ a district of excess population that must be accommodated. Adding this urban population to HD-37 does not

effect the district's socio-economic integration because the FNSB has historical social, cultural, and economic ties with rural Alaska and is an economic and transportation hub for the villages in the district. The Trial Court has already found that it is reasonable for the Board to take excess population from the FNSB to meet population requirements. Using population from the FNSB creates no proportionality issues. The FNSB is split only once in the plan with the remaining excess population spread out among the five districts wholly within the Borough.

B. Hickel-002

In my opinion, Hickel-002 [Attachment C] does not comply with the requirements of the Alaska Constitution because HD-36 in the Plan is not relatively socio-economically integrated and has proportionality issues in that the Mat-Su Borough ("MSB") is split three ways.

Hickel-002 is very similar to Hickel-001 except that the plan finds the required urban population for the rural districts by taking 5,874 people from the western portion of the MSB (specifically the Houston, Trapper Creek, Susitna, and Willow precincts) and adding it into HD-36 (again otherwise similar to Benchmark HD-6). By taking this population from the MSB, the Borough is split three ways.

The major issue problem with Hickel-002 is that HD-36 is likely not socio-economically integrated. Unlike the FNSB, the MSB is not a transportation or economic hub for rural Alaska and there are little cultural, social, or economic ties between the residents of the MSB in general and western Mat-Su in particular and the more rural villages that comprise the rest of the district.

The MSB population constitutes 5.01 ideal districts. Thus, unlike the FNSB, it has no excess population that needs to be accommodated. Attempting to fix the rural population

shortfall by taking population from the MSB creates potential proportionality problems as the Borough is split three ways.

C. Hickel-003

In my opinion, Hickel-003 [Attachment D] also does not comply with the requirements of the Alaska Constitution for a number of reasons.

Hickel-003 seeks to solve the rural population shortfall by taking 6,027 people out of the western edge of the Municipality of Anchorage ("MOA") across Cook Inlet to HD-37 which includes the town of Bethel and other small rural villages. In order to create a complete plan that takes population from the MOA, the plan must make considerable changes from the Benchmark, creating districts with a more north-south orientation. This creates a number of potential problems.

While Anchorage is certainly a transportation and economic hub for rural Alaska, including Bethel, whether HD-37 would be considered relatively socio-economically integrated is a close question. An argument, could however certainly be made that the District meets the SEI requirements. The district does, however, also raise concerns required compactness as well as a potential contiguity issue by connecting Anchorage with the district across the open water of the Cook Inlet.

The bigger problem with Hickel-003 is that in order to create a district that takes population out of Anchorage, the configuration of other districts do not meet Alaska Constitutional requirements. HD-39 is probably both non-compact and not relatively socially-economically integrated.

D. Hickel-004

In my opinion, Hickel-004 [Attachment E] also does not comply with the requirements of the Alaska Constitution for a number of reasons.

Hickel-004 seeks to solve the rural population shortfall by taking approximately 6,587 people out of the northwest corner of the Kenai Peninsula Borough ("KPB") and combines

it across Cook Inlet to HD-36 that runs across interior Alaska to the coast and includes the town of Bethel and other small rural villages. This Plan suffers from the same problems as Hickel-003 as discussed above regarding HD-39 and 38.

Additionally, HD-36 itself is not socially-economically integrated. The KPB has little connection with the rest of the district. Unlike, the FNSB or the MOA, the KPB is not a transportation or economic hub for Bethel or the rural villages that comprise the rest of the district. There is little social or economic interaction. It also suffers from the same potential contiguity and compactness problems as HD-37 in Hickel-003.

III. CONCLUSION

For the reasons discussed above, the Hickel-001 plan is the only plan that strictly complies with all of the requirements of the Alaska Constitution. Accordingly, I recommend the Board adopted Hickel-001 as its baseline Hickel Plan and provide that plan to its VRA expert for analysis as to whether that plan complies with the requirements of the VRA.

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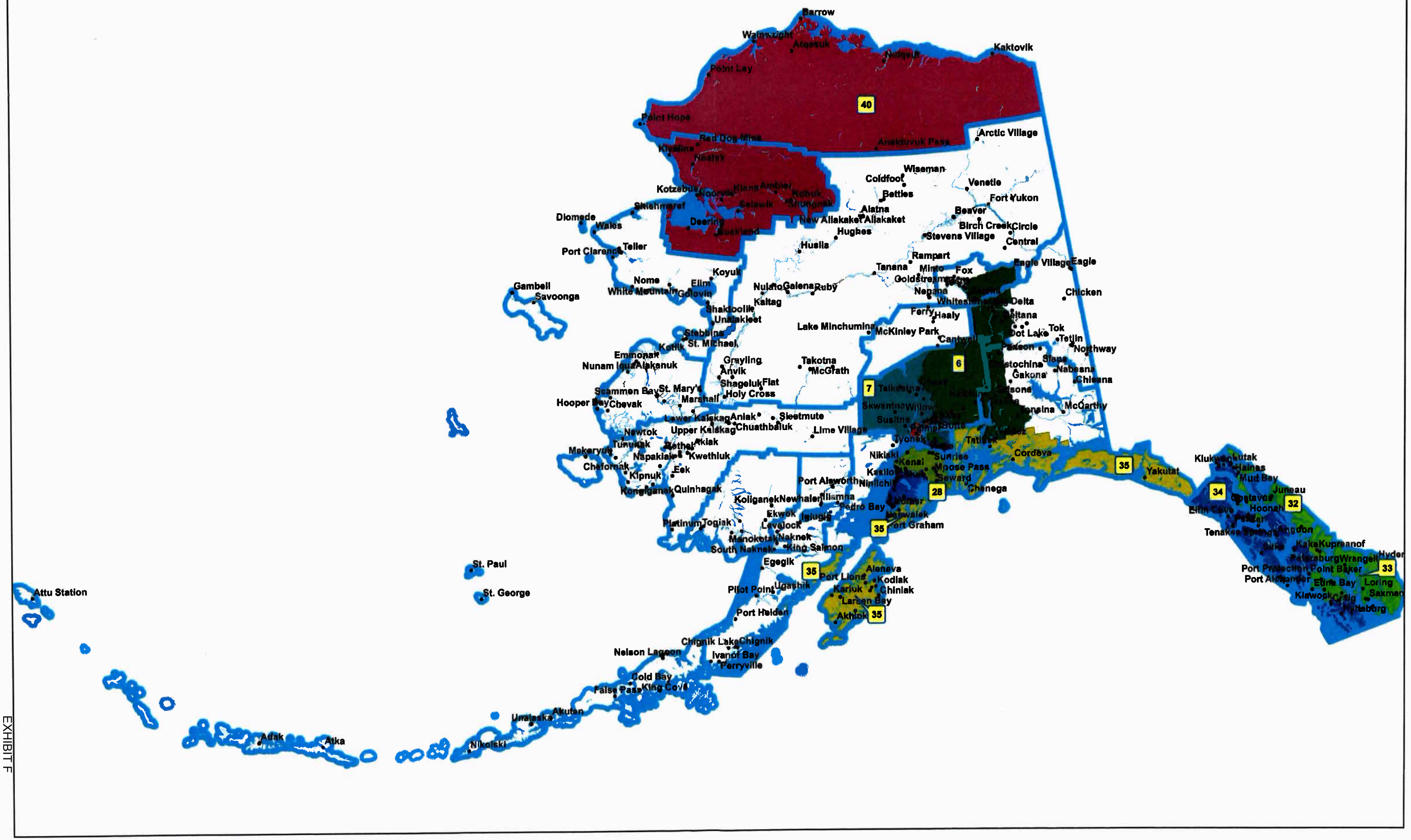
HICKEL_TEMPLATE



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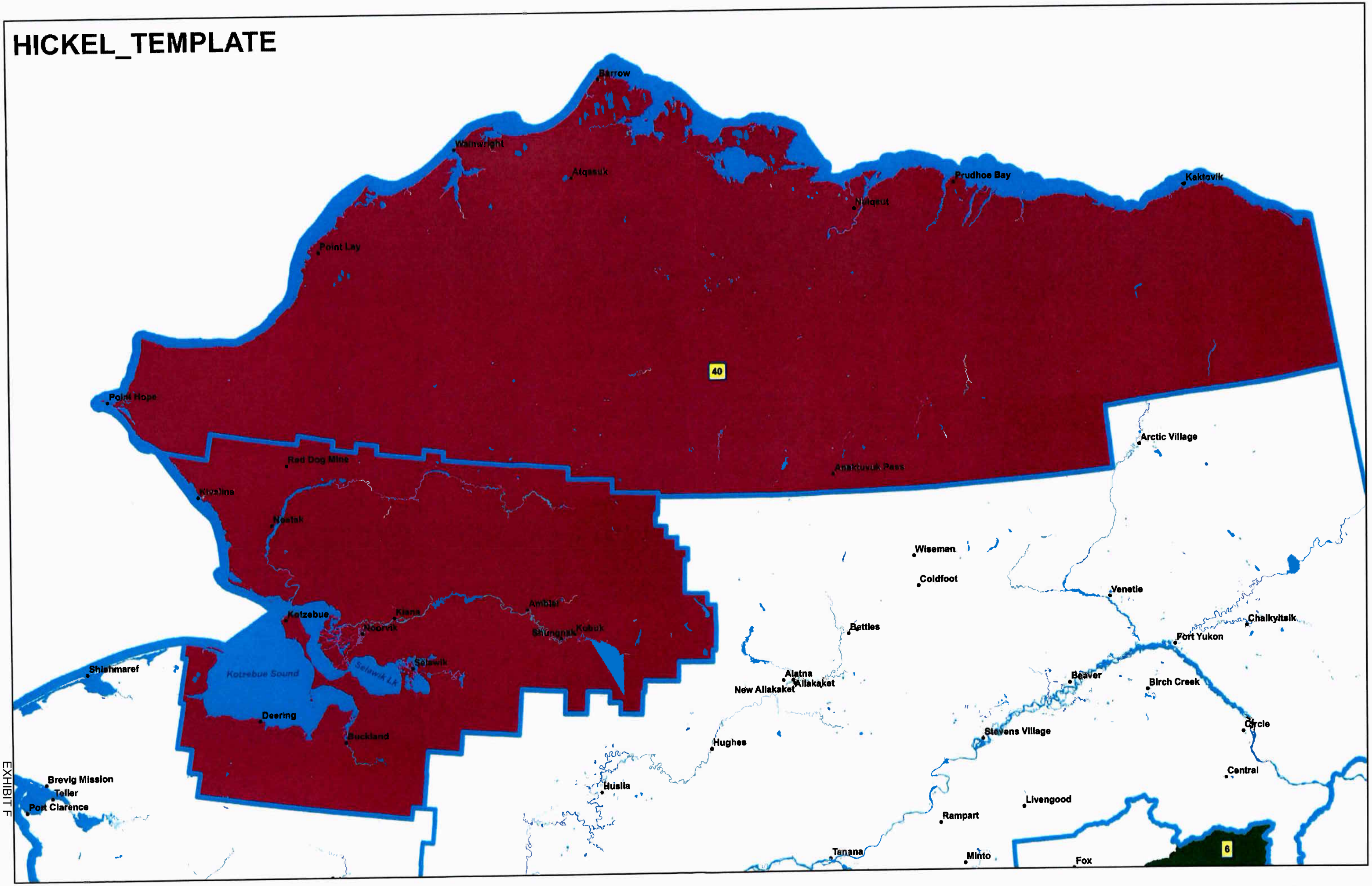

EXHIBIT F
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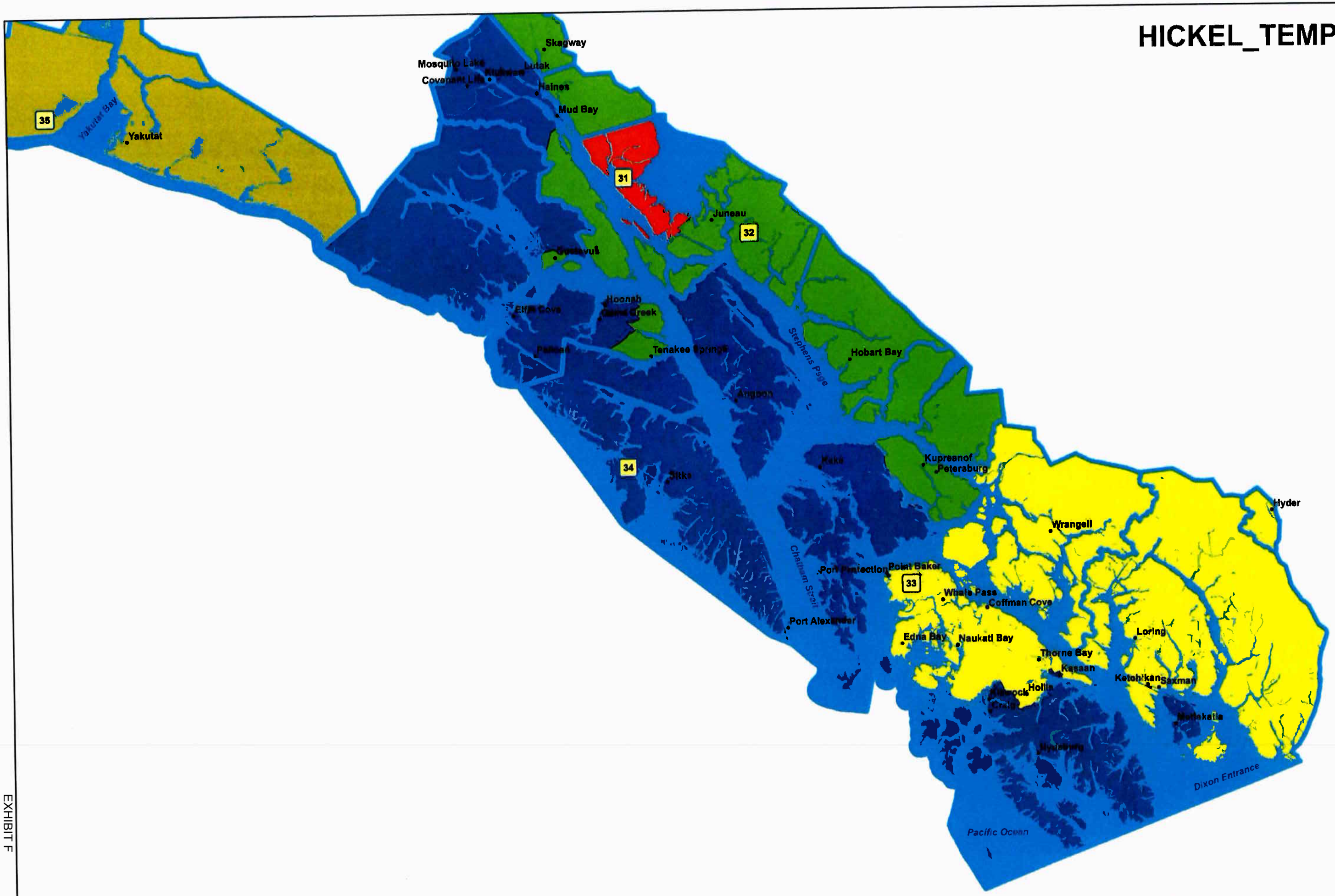
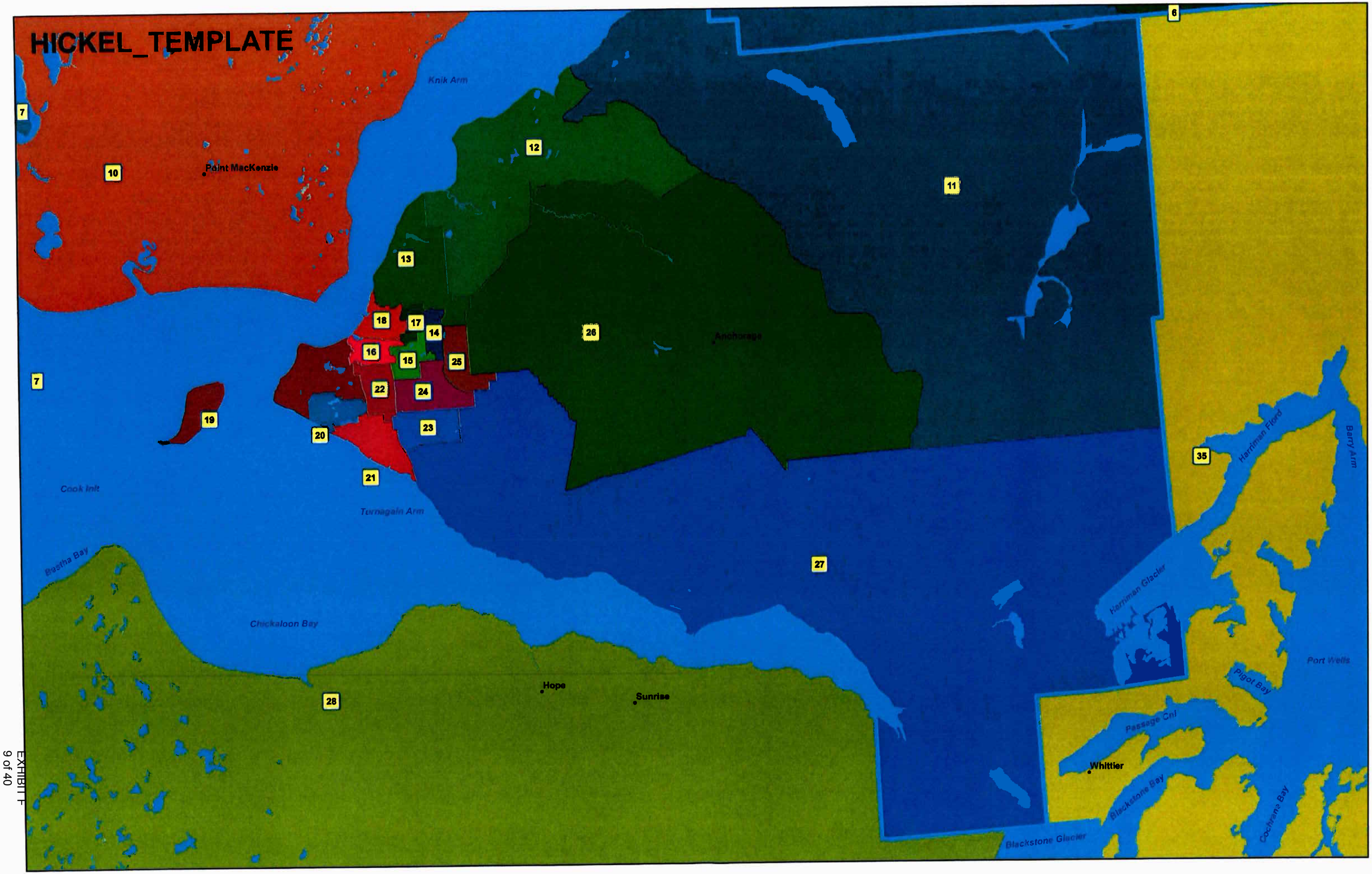
HICKEL_TEMPLATE




HICKEL_TEMPLATE
Knik Arm
Point MacKenzie
Anchorage
Cook Inlet
Turnagain Arm
Bastna Bay
Chickaloon Bay
Hope
Sunrise
Harriman Fiord
Barry Arm
Harriman Glacier
Port Wells
Pigot Bay
Passage Cnl
Whittier
Blackstone Bay
Blackstone Glacier
Cochrane Bay
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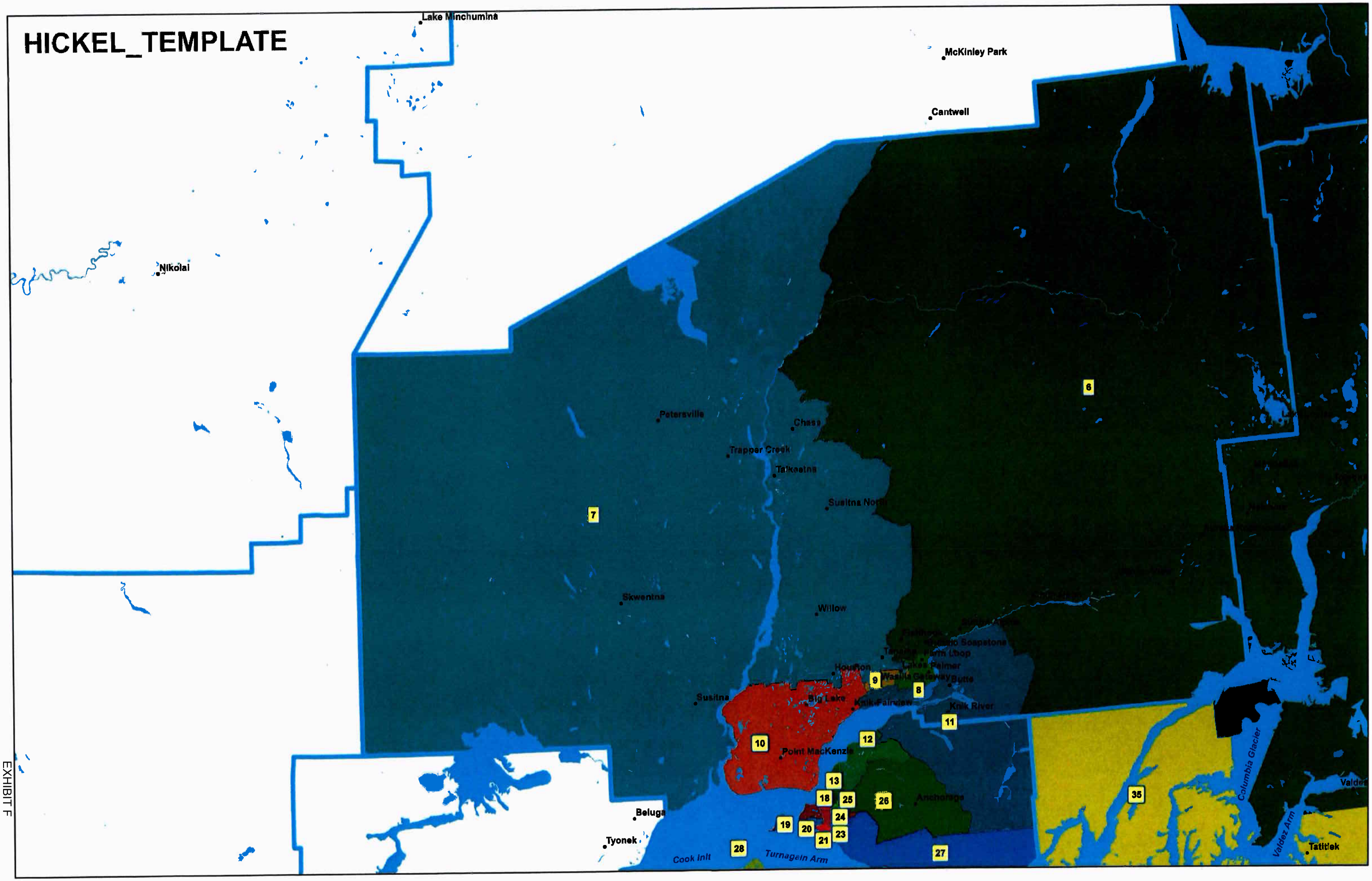
HICKEL_TEMPLATE
Lake Minchumina
McKinley Park
Cantwell
Nikolai
Petersville
Chase
Trapper Creek
Talkeetna
Susitna North
Skwentna
Willow
Houston
Big Lake
Knik-Fairview
Knik River
Susitna
Point MacKenzie
Anchorage
Beluga
Tyonek
Cook Inlet
Turnagain Arm
Columbia Glacier
Valdez Arm
Tatitlek
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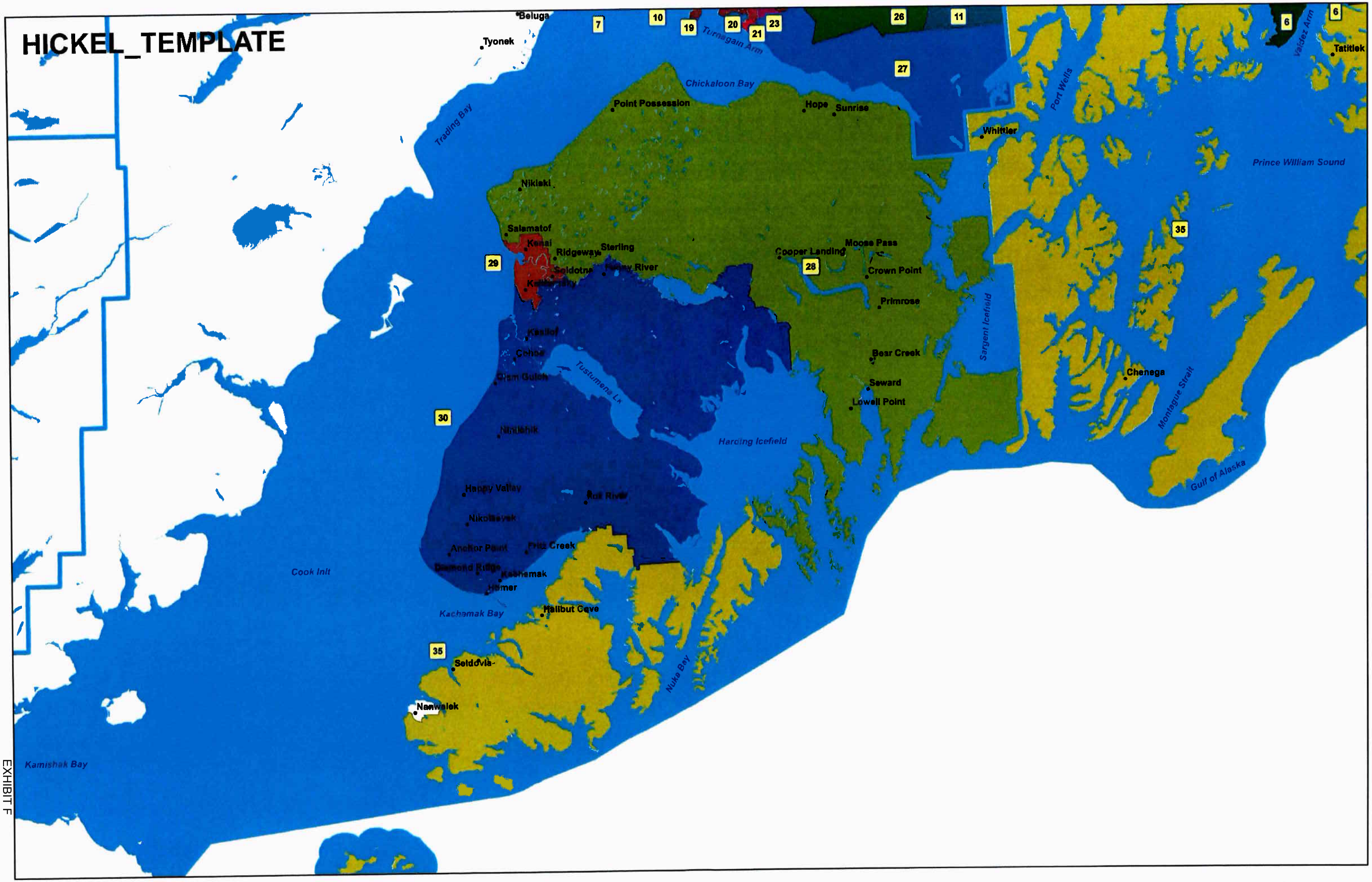

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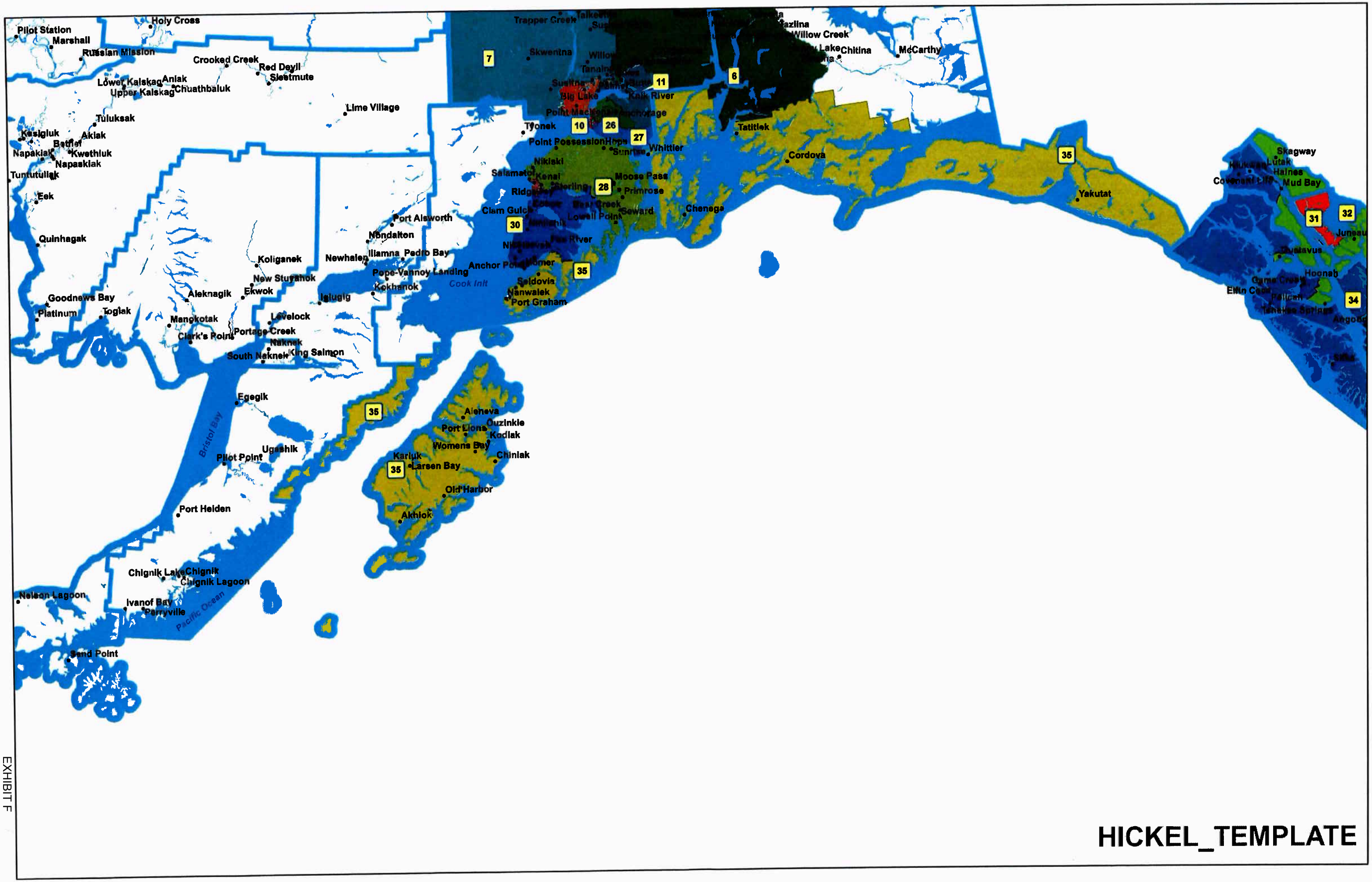

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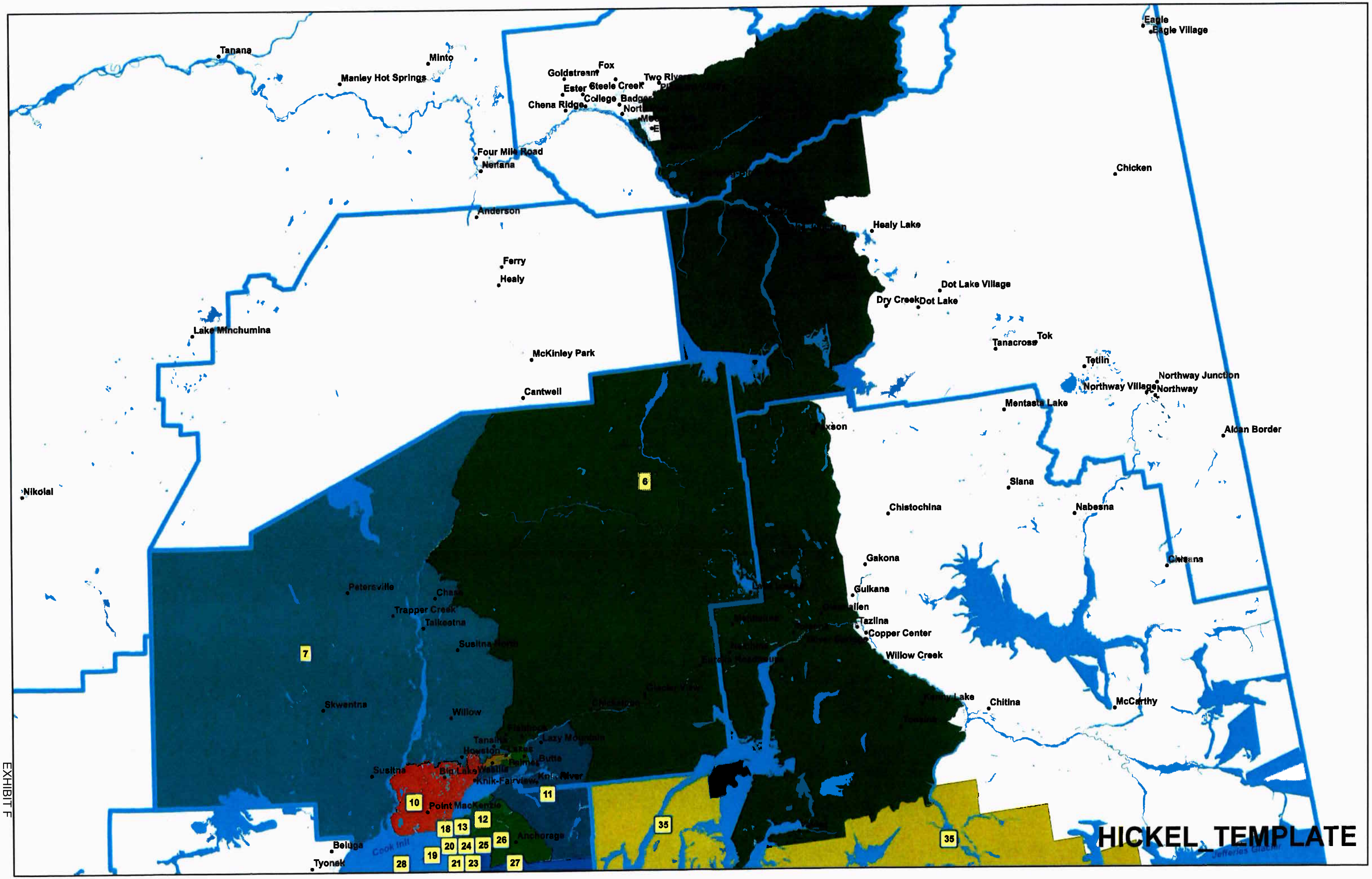
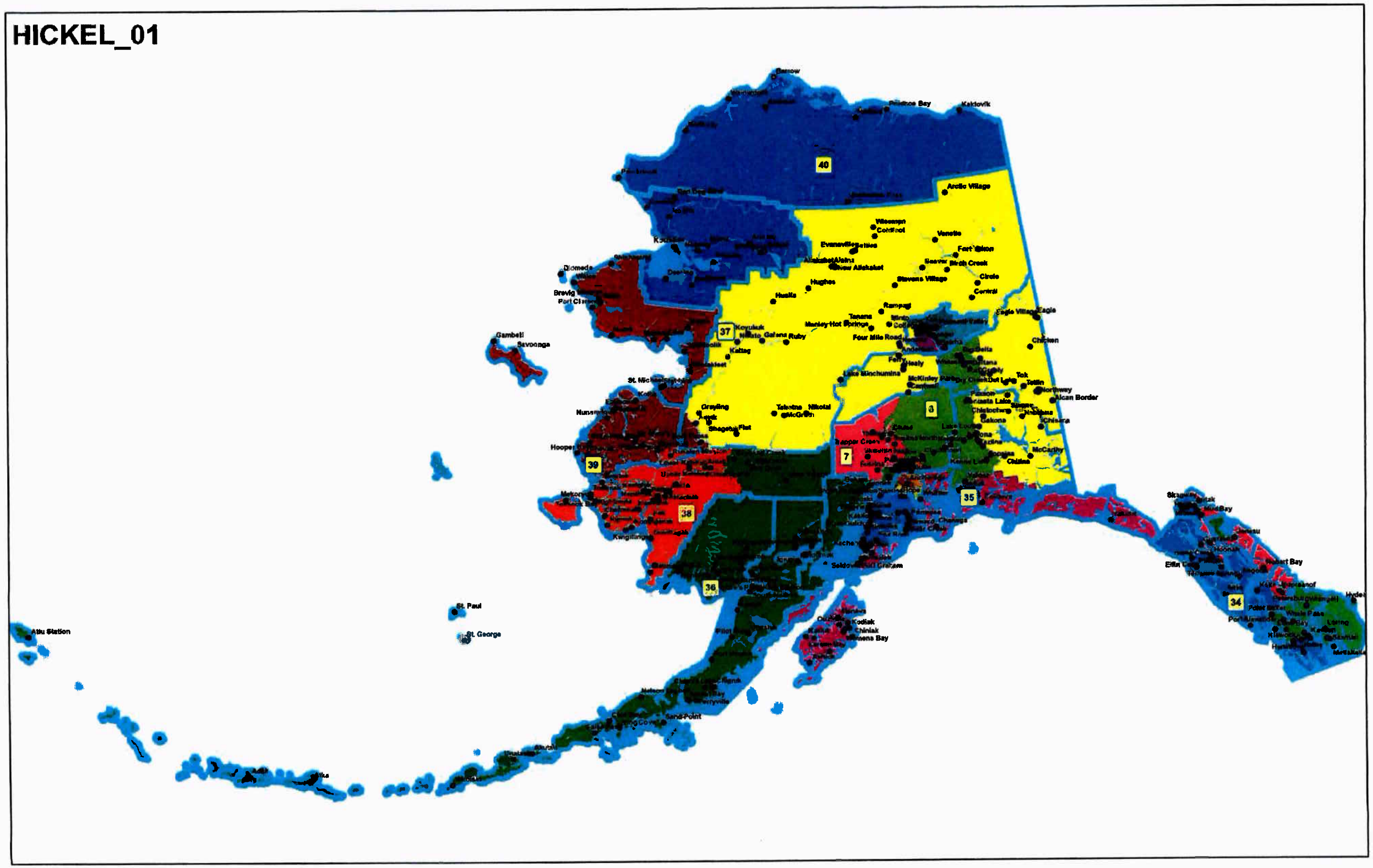


HICKEL TEMPLATE

HICKEL 01

DISTRICT	TAPERSONS	Target	Dev.	Difference
1	18296	17,756	3.04%	540
2	18360	17,756	3.40%	604
3	18462	17,756	3.98%	706
4	18295	17,756	3.04%	539
5	18314	17,756	3.14%	558
6	17212	17,756	-3.06%	-544
7	17734	17,756	-0.12%	-22
8	17470	17,756	-1.61%	-286
9	17820	17,756	0.36%	64
10	17800	17,756	0.25%	44
11	17826	17,756	0.40%	70
12	18079	17,756	1.82%	323
13	17931	17,756	0.99%	175
14	17806	17,756	0.28%	50
15	17797	17,756	0.23%	41
16	17925	17,756	0.95%	169
17	17667	17,756	-0.50%	-89
18	17743	17,756	-0.07%	-13
19	17642	17,756	-0.64%	-114
20	17755	17,756	0.00%	-1
21	17702	17,756	-0.30%	-54
22	17809	17,756	0.30%	53
23	17693	17,756	-0.35%	-63
24	17924	17,756	0.95%	168
25	17678	17,756	-0.44%	-78
26	18072	17,756	1.78%	316
27	17778	17,756	0.13%	22
28	18159	17,756	2.27%	403
29	17914	17,756	0.89%	158
30	17988	17,756	1.31%	232
31	18251	17,756	2.79%	495
32	17801	17,756	0.25%	45
33	17075	17,756	-3.83%	-681
34	17875	17,756	0.67%	119
35	17917	17,756	0.91%	161
36	16877	17,756	-4.95%	-879
37	16931	17,756	-4.65%	-825
38	17015	17,756	-4.17%	-741
39	16885	17,756	-4.90%	-871
40	16953	17,756	-4.52%	-803

HICKEL_01


40
37
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34
Barrow
Point Hope
Kaktovik
Arctic Village
Wiseman
Coldfoot
Venetie
Fort Yukon
Evansville
Bettles
Alatna
Allakaket
New Allakaket
Beaver
Birch Creek
Stevens Village
Circle
Central
Hughes
Huslia
Rampart
Tanana
Minto
Manley Hot Springs
Eagle Village
Eagle
Chicken
Four Mile Road
Galena
Ruby
Koyukuk
Nulato
Kaltag
Gambell
Savoonga
St. Michael
Nunam Iqua
Hooper Bay
Kwigillingok
Diomede
Brevig Mission
Port Clarence
Grayling
Anvik
Shageluk
Takotna
Nikolai
McGrath
Lake Minchumina
Fairbanks
Healy
McKinley Park
Cantwell
Paxson
Gakona
Chistochina
Tok
Tetlin
Northway
Alcan Border
Chistochina
Nabesna
Chistochina
McCarthy
Chitina
Copper Center
Glennallen
Cordova
Tatitlek
Valdez
Whittier
Seldovia
Homer
Kodiak
Chignik
Cordova
Sand Point
Nome
Teller
Brevig Mission
Elim
Golovin
Koyuk
Shaktoolik
Unalakleet
Stebbins
St. Michael
Emmonak
Alakanuk
Kotlik
Mountain Village
Pilot Station
Marshall
Hooper Bay
Chevak
Tuntutuliak
Eek
Quinhagak
Goodnews Bay
Dillingham
Aleknagik
Manokotak
Togiak
Twin Hills
Clarks Point
Ekwok
Koliganek
New Stuyahok
Levelock
Naknek
King Salmon
Pilot Point
Ivanof Bay
Perryville
Chignik Lake
Chignik Bay
Sand Point
Akutan
Unalaska
Nikolski
Atka
Adak
Shemya
Attu Station
St. Paul
St. George
Ketchikan
Saxman
Metlakatla
Hydaburg
Kasaan
Craig
Klawock
Thorne Bay
Coffman Cove
Wrangell
Petersburg
Kake
Angoon
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Hoonah
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Yakutat
Pelican
Elfin Cove
Tenakee Springs
Sitka

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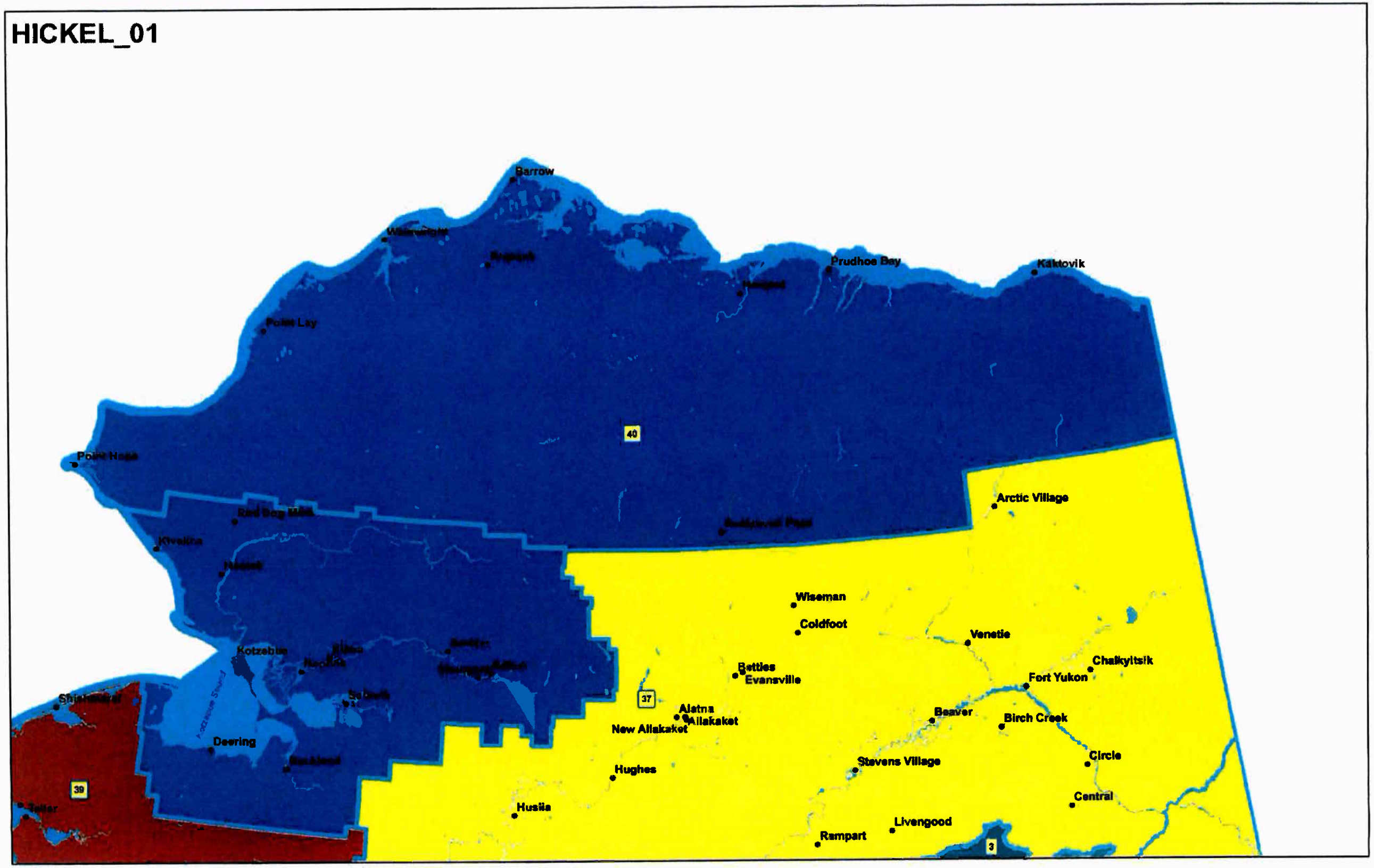
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Prudhoe Bay
Kaktovik
Point Lay
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Point Hope
Arctic Village
Kivalina
Wiseman
Coldfoot
Venetie
Kotzebue
Chalkyitsik
Fort Yukon
Battles
Evansville
Shishmaref
37
Alatna
Allakaket
New Allakaket
Beaver
Birch Creek
Deering
Circle
Stevens Village
Hughes
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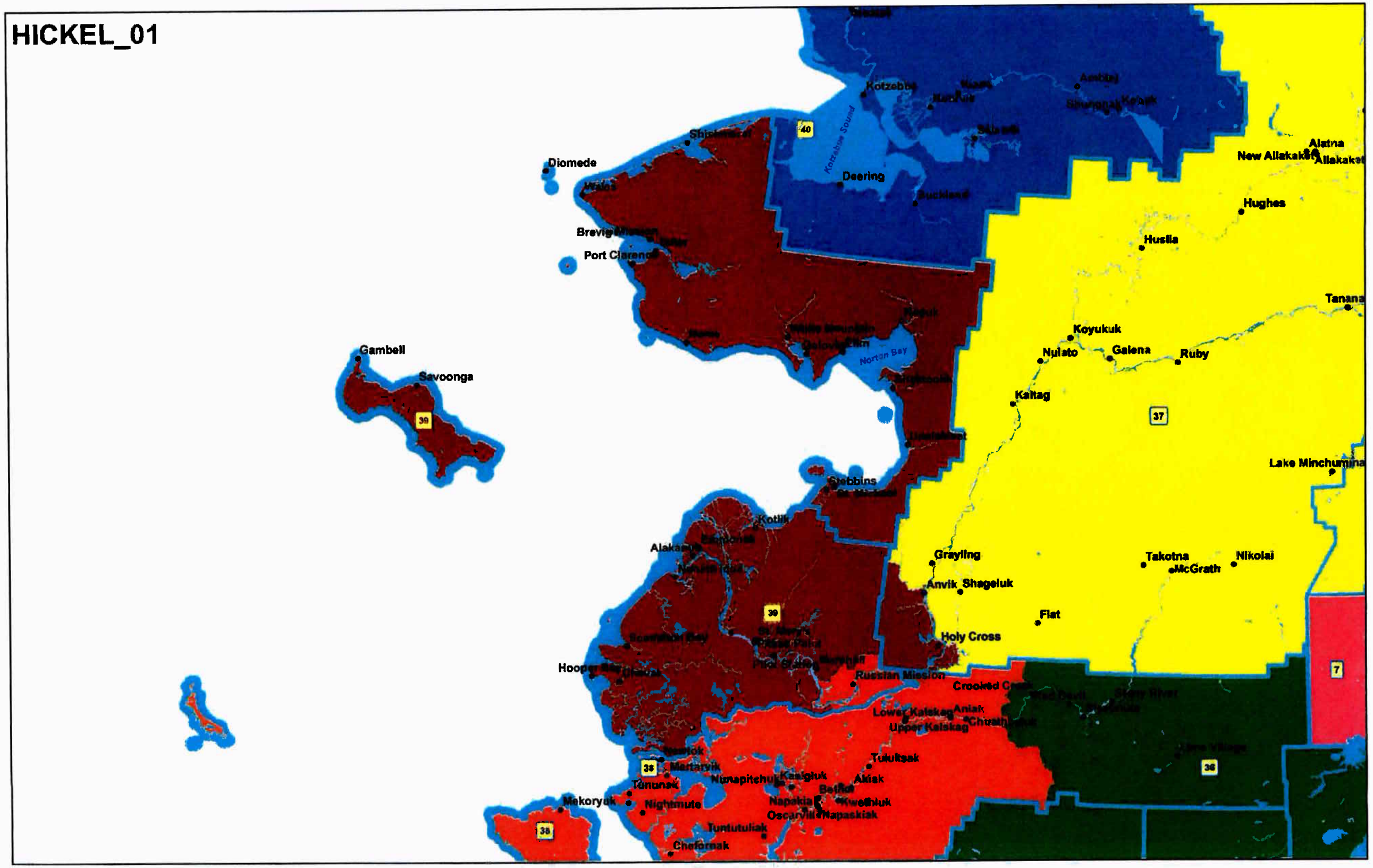
Central
Huslia
Livengood
Rampart
3

HICKEL_01


Kotzebue
Kobuk
Ambler
Shungnak
Kiana
Noorvik
Selawik
Kotzebue Sound
Deering
Buckland
Diomede
Wales
Shishmaref
Brevig Mission
Teller
Port Clarence
Gambell
Savoonga
Stebbins
St. Michael
Unalakleet
Norton Bay
Koyukuk
Nulato
Galena
Ruby
Kaltag
Hughes
Allakaket
Alatna
New Allakaket
Huslia
Tanana
Lake Minchumina
Grayling
Anvik
Shageluk
Takotna
McGrath
Nikolai
Flat
Holy Cross
Kotlik
Alakanuk
Emmonak
Scammon Bay
Hooper Bay
Russian Mission
Crooked Creek
Sleetmute
Stony River
Lower Kalskag
Upper Kalskag
Aniak
Chuathbaluk
Lime Village
Tuluksak
Akiak
Bethel
Kwethluk
Napaskiak
Oscarville
Napakiak
Kasigluk
Nunapitchuk
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Nightmute
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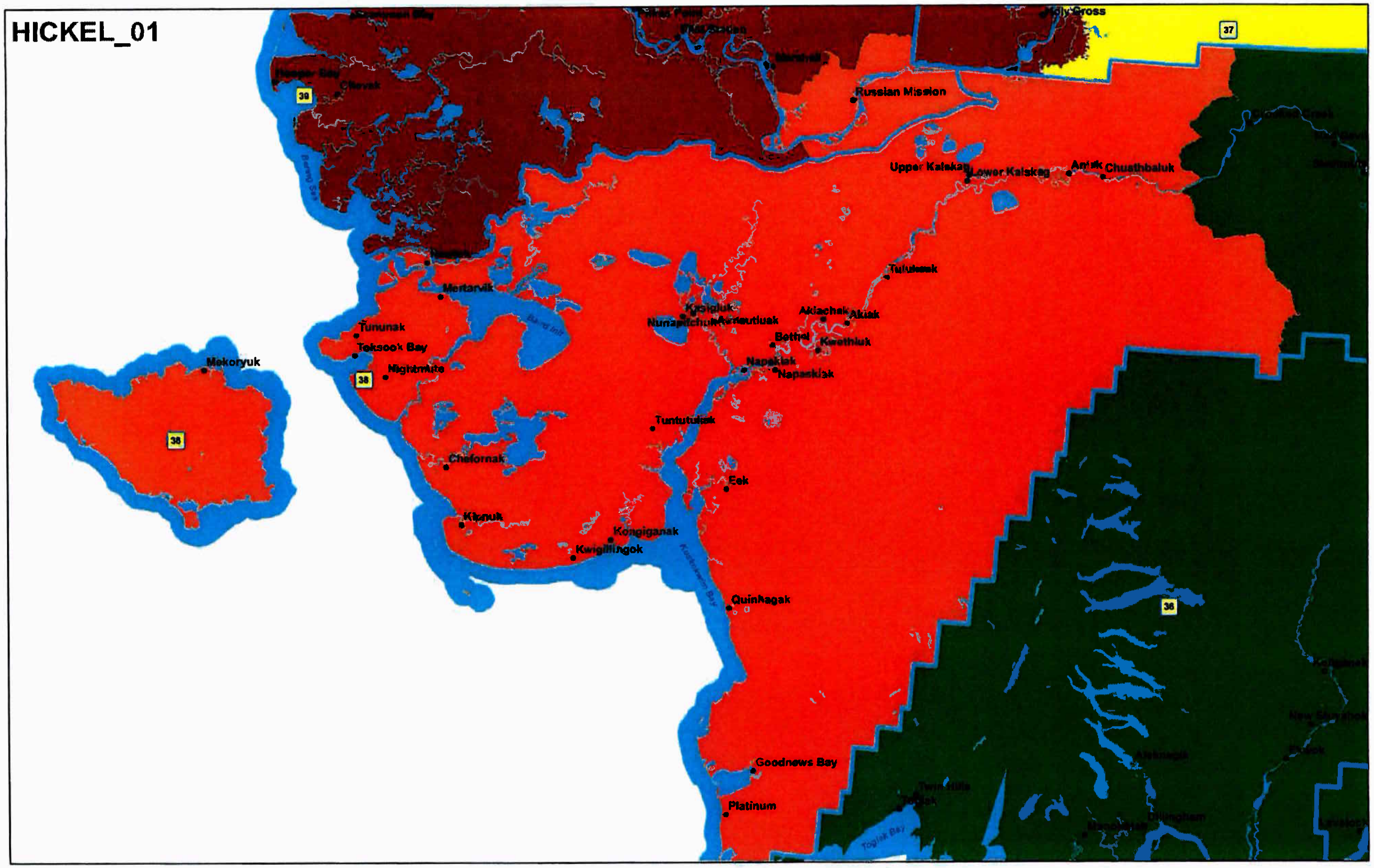
HICKEL_01
Holy Cross
37
Russian Mission
Upper Kalskag
Lower Kalskag
Aniak
Chuathbaluk
Tuluksak
Mertarvik
Kasigluk
Nunapitchuk
Akiachak
Akiak
Bethel
Kwethluk
Napakiak
Napaskiak
Tununak
Toksook Bay
Nightmute
Mekoryuk
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Tuntutuliak
Chefornak
Eek
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Quinhagak
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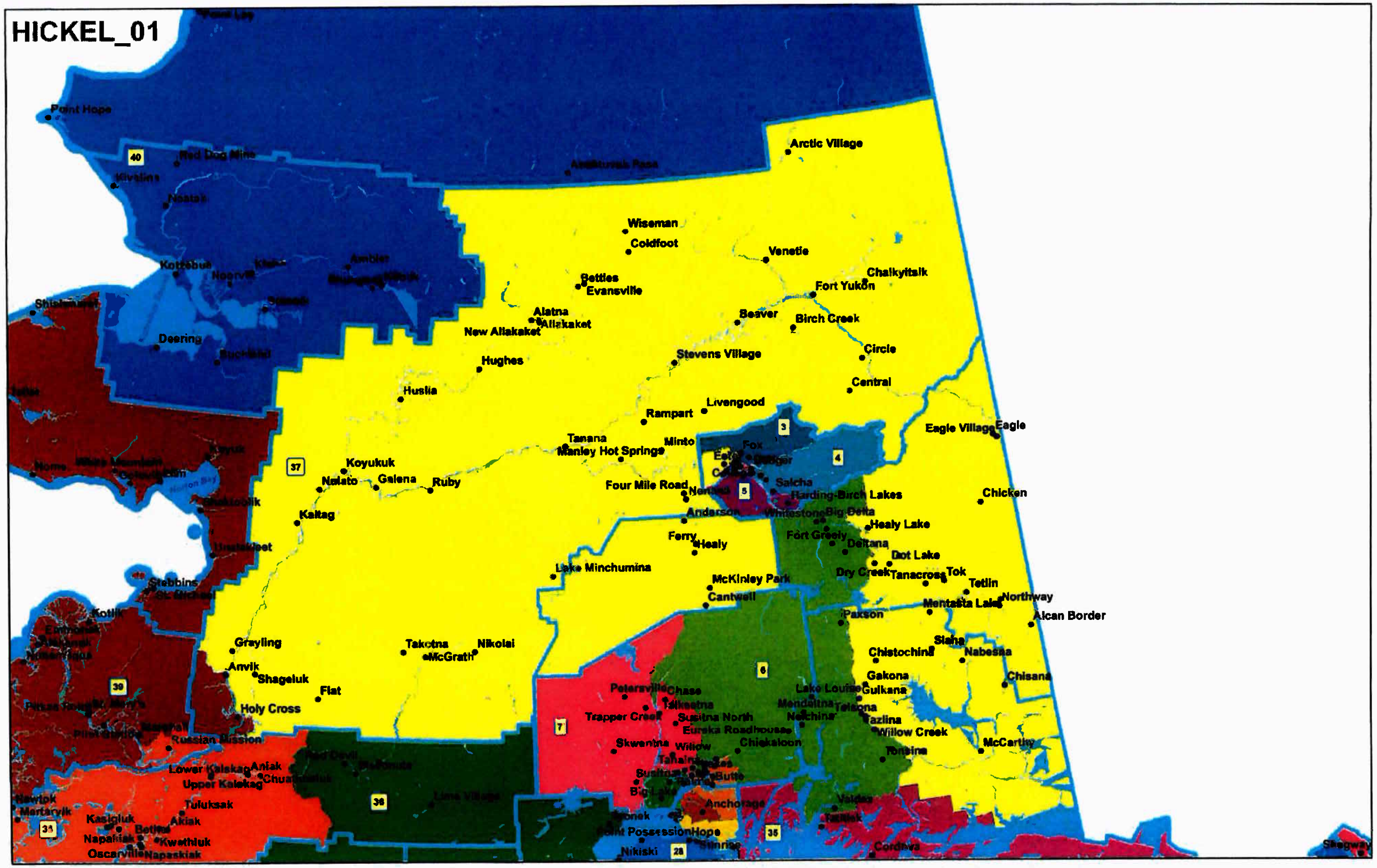
Goodnews Bay
Platinum


HICKEL_01
Point Hope
Red Dog Mine
Kivalina
Noatak
Kotzebua
Noorvik
Ambler
Shishmaref
Deering
Buckland
Wiseman
Coldfoot
Venetie
Chalkyitsik
Fort Yukon
Bettles
Evansville
Alatna
Allakaket
New Allakaket
Beaver
Birch Creek
Circle
Stevens Village
Hughes
Central
Huslia
Livengood
Rampart
Eagle Village
Eagle
Tanana
Manley Hot Springs
Minto
Fox
Koyukuk
Nulato
Galena
Ruby
Four Mile Road
Salcha
Harding-Birch Lakes
Chicken
Kaltag
Anderson
Whitestone
Big Delta
Healy Lake
Ferry
Healy
Fort Greely
Deltana
Dot Lake
Lake Minchumina
Dry Creek
Tanacross
Tok
Tetlin
McKinley Park
Cantwell
Northway
Mentasta Lake
Alcan Border
Pakson
Stebbins
St. Michael
Kotlik
Grayling
Takotna
McGrath
Nikolai
Anvik
Shageluk
Flat
Holy Cross
Siana
Nabesna
Chistochina
Gakona
Chisana
Petersville
Chase
Lake Louise
Gulkana
Talkeetna
Mendeltna
Tazlina
Trapper Creek
Susitna North
Nelchina
Eureka Roadhouse
Willow Creek
Skwentna
Chickaloon
McCarthy
Russian Mission
Lower Kalskag
Aniak
Upper Kalskag
Tuluksak
Kasigluk
Akiak
Bethel
Napakiak
Kwethluk
Oscarville
Napaskiak
Anchorage
Valdez
Point Possession
Hope
Nikiski
Cordova
Shageluk
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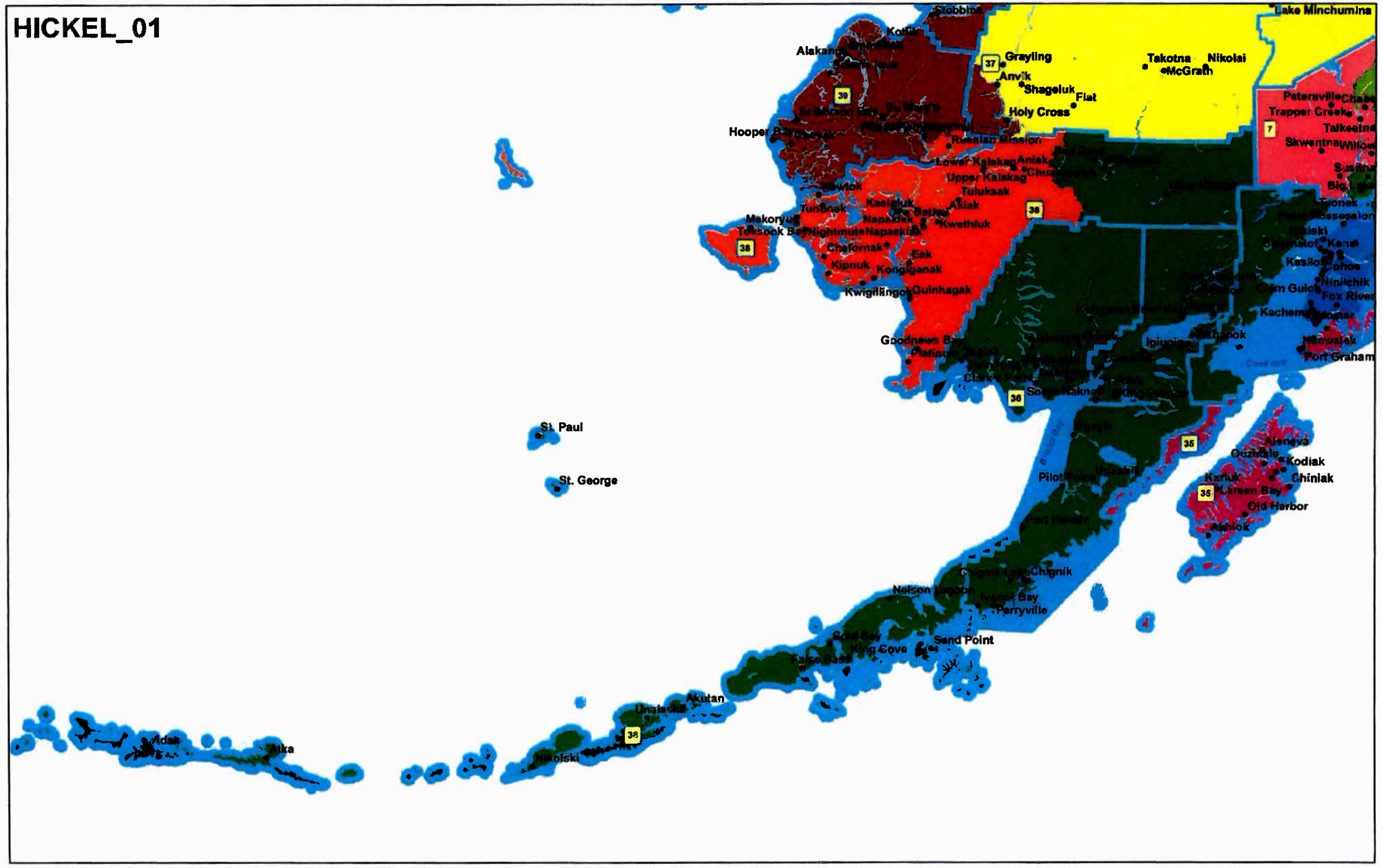
HICKEL_01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Grayling
Anvik
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Takotna
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Hooper Bay
Russian Mission
Lower Kalskag
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Aniak
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Kasigluk
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Bethel
Napaskiak
Nightmute
Chefornak
Eek
Kipnuk
Kongiganak
Quinhagak
Kwigillingok
Goodnews Bay
Platinum
Clarks Point
Togiak
Dillingham
Ekwok
Koliganek
Ivanof Bay
Port Heiden
Pilot Point
Ugashik
Perryville
Chignik
Chignik Lake
Nelson Lagoon
Sand Point
King Cove
False Pass
Cold Bay
Akutan
Unalaska
Nikolski
Atka
Adak
St. Paul
St. George
Kodiak
Chiniak
Karluk
Larsen Bay
Old Harbor
Akhiok
Ouzinkie
Alaneva
Port Graham
Nanwalek
Kachemak
Homer
Ninilchik
Fox River
Cohoe
Kasilof
Kenai
Soldotna
Sterling
Skwentna
Talkeetna
Trapper Creek
Petersville
Susitna
Big Lake
Willow
Palmer
Chickaloon
Glennallen
Cordova
Valdez
Whittier
Seward
Hope
Moose Pass
Cooper Landing
Sunrise
Nome
Shishmaref
Kotlik
Stebbins
Alakanuk
Emmonak
Marshall
Mountain Village
Pilot Station
Scammon Bay
Chevak
Newtok
Tununak
Toksook Bay
Makoryuk
Hooper Bay
Russian Mission
Lower Kalskag
Upper Kalskag
Aniak
Chuathbaluk
Crooked Creek
Red Devil
Sleetmute
Stony River
Lime Village
Takotna
Nikolai
McGrath
Ophir
Shageluk
Anvik
Grayling
Holy Cross
Flat
Galena
Nulato
Koyukuk
Kaltag
Tanana
Ruby
Huslia
Hughes
Allakaket
Alatna
Bettles
Evansville
Coldfoot
Wiseman
Anaktuvuk Pass
Point Hope
Kivalina
Noatak
Kiana
Ambler
Shungnak
Kobuk
Selawik
Deadhorse
Prudhoe Bay
Kaktovik
Arctic Village
Venetie
Fort Yukon
Chalkyitsik
Beaver
Stevens Village
Tanacross
Dot Lake
Healy
Cantwell
Paxson
Gulkana
Glennallen
Tazlina
Copper Center
Chistochina
Tok
Mentasta Lake
Slana
Nabesna
Chitina
McCarthy
Kennicott
Gakona
Tonsina
Chistochina

HICKEL 02

DISTRICT	TAPERSONS	Target	Dev.	Difference
1	18296	17,756	3.04%	540
2	18360	17,756	3.40%	604
3	18462	17,756	3.98%	706
4	18295	17,756	3.04%	539
5	18314	17,756	3.14%	558
6	17212	17,756	-3.06%	-544
7	17734	17,756	-0.12%	-22
8	17470	17,756	-1.61%	-286
9	17820	17,756	0.36%	64
10	17800	17,756	0.25%	44
11	17826	17,756	0.40%	70
12	18079	17,756	1.82%	323
13	17931	17,756	0.99%	175
14	17806	17,756	0.28%	50
15	17797	17,756	0.23%	41
16	17925	17,756	0.95%	169
17	17667	17,756	-0.50%	-89
18	17743	17,756	-0.07%	-13
19	17642	17,756	-0.64%	-114
20	17755	17,756	0.00%	-1
21	17702	17,756	-0.30%	-54
22	17809	17,756	0.30%	53
23	17693	17,756	-0.35%	-63
24	17924	17,756	0.95%	168
25	17678	17,756	-0.44%	-78
26	18072	17,756	1.78%	316
27	17778	17,756	0.13%	22
28	18159	17,756	2.27%	403
29	17914	17,756	0.89%	158
30	17988	17,756	1.31%	232
31	18251	17,756	2.79%	495
32	17801	17,756	0.25%	45
33	17075	17,756	-3.83%	-681
34	17875	17,756	0.67%	119
35	17917	17,756	0.91%	161
36	16931	17,756	-4.65%	-825
37	16877	17,756	-4.95%	-879
38	17015	17,756	-4.17%	-741
39	16885	17,756	-4.90%	-871
40	16953	17,756	-4.52%	-803

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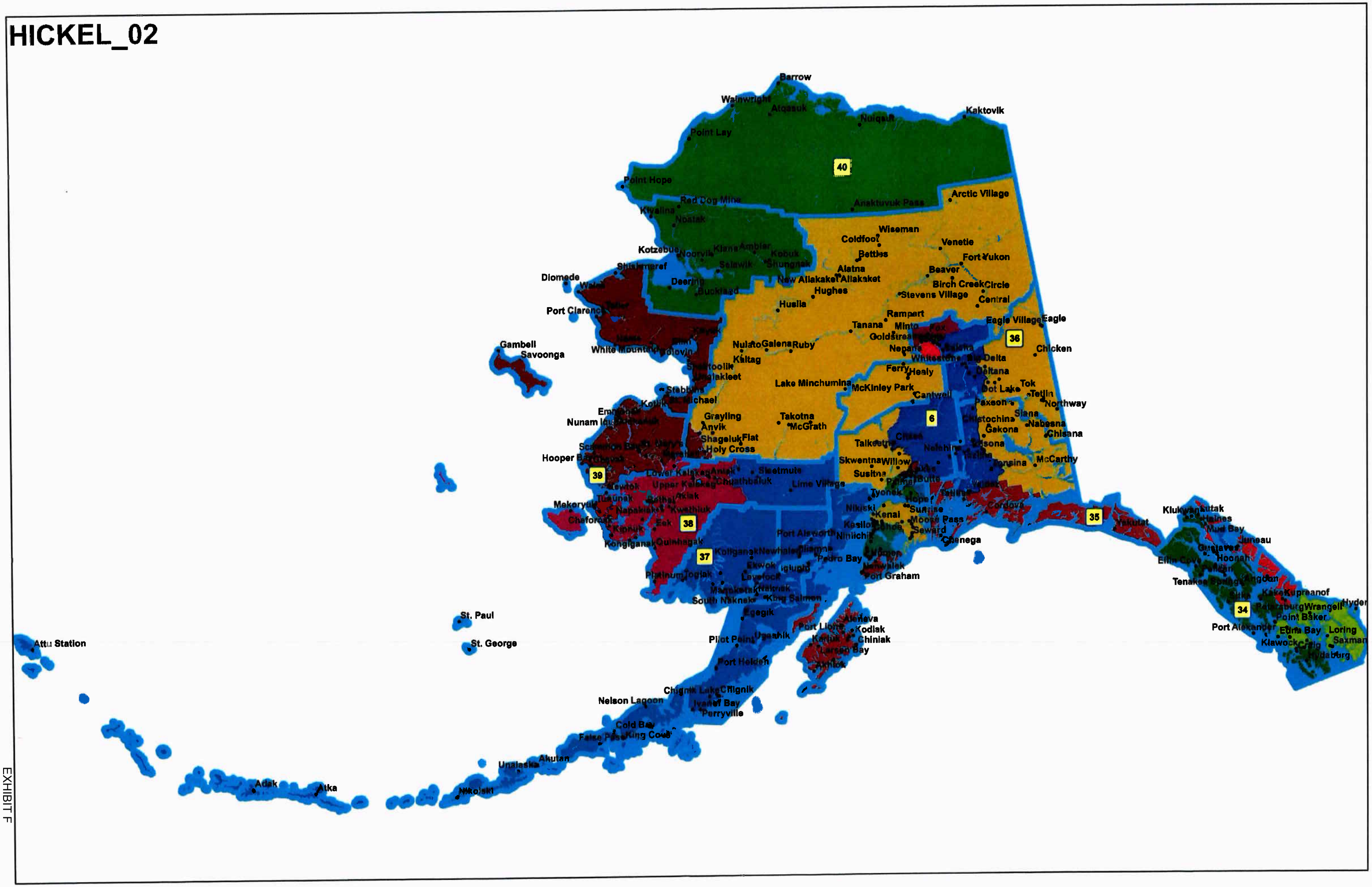
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Noatak
Anaktuvuk Pass
Arctic Village
Wiseman
Coldfoot
Venetie
Kotzebue
Noorvik
Kiana
Ambler
Kobuk
Shungnak
Bettles
Fort Yukon
Shishmaref
Selawik
Alatna
Beaver
Diomede
Deering
New Allakaket
Allakaket
Birch Creek
Circle
Buckland
Hughes
Stevens Village
Central
Huslia
Port Clarence
Rampart
Tanana
Minto
Eagle Village
Eagle
Gambell
Savoonga
White Mountain
Nulato
Galena
Ruby
Goldstream
Nenana
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Chicken
Koyukuk
Kaltag
Whitestone
Big Delta
Shaktoolik
Unalakleet
Ferry
Healy
Delta
Lake Minchumina
McKinley Park
Tok
Stebbins
Cantwell
Dot Lake
Tetlin
Kotlik
St. Michael
Paxson
Northway
Emmonak
Nunam Iqua
Grayling
Anvik
Takotna
McGrath
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Slana
Nabesna
Chistochina
Gakona
Chisana
Shageluk
Holy Cross
Flat
Chase
Talkeetna
Nelchina
Tolsona
Hooper Bay
Willow
Skwentna
Susitna
Tonsina
McCarthy
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Lower Kalskag
Aniak
Sleetmute
Upper Kalskag
Chuathbaluk
Lime Village
Akiak
Tyonek
Mekoryuk
Napakiak
Kwethluk
Hope
Cordova
Chefornak
Bethel
Nikiski
Kenai
Sunrise
Moose Pass
35
Yakutat
Klukwan
Sutak
Haines
38
Eek
Kenai
Seward
Port Alsworth
Nikolaevsk
Chenega
Mud Bay
Kongiganak
Quinhagak
Juneau
Kotlik
Newhalen
Iliamna
Pedro Bay
Ekwok
Igiugig
Port Graham
Gustavus
Hoonah
Ellin Cove
37
Platinum
Togiak
Levelock
Tenakee Springs
Manokotak
Naknek
Kingcove
South Naknek
King Salmon
Kupreanof
Kake
Petersburg
Wrangell
Hyder
34
Point Baker
St. Paul
Egegik
Port Lions
Kodiak
Port Alexander
Elfin Cove
Loring
St. George
Pilot Point
Ugashik
Chignik
Larsen Bay
Klawock
Saxman
Hydaburg
Attu Station
Port Heiden
Chignik Lake
Chignik
Nelson Lagoon
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Perryville
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Adak
Atka
Nikolski

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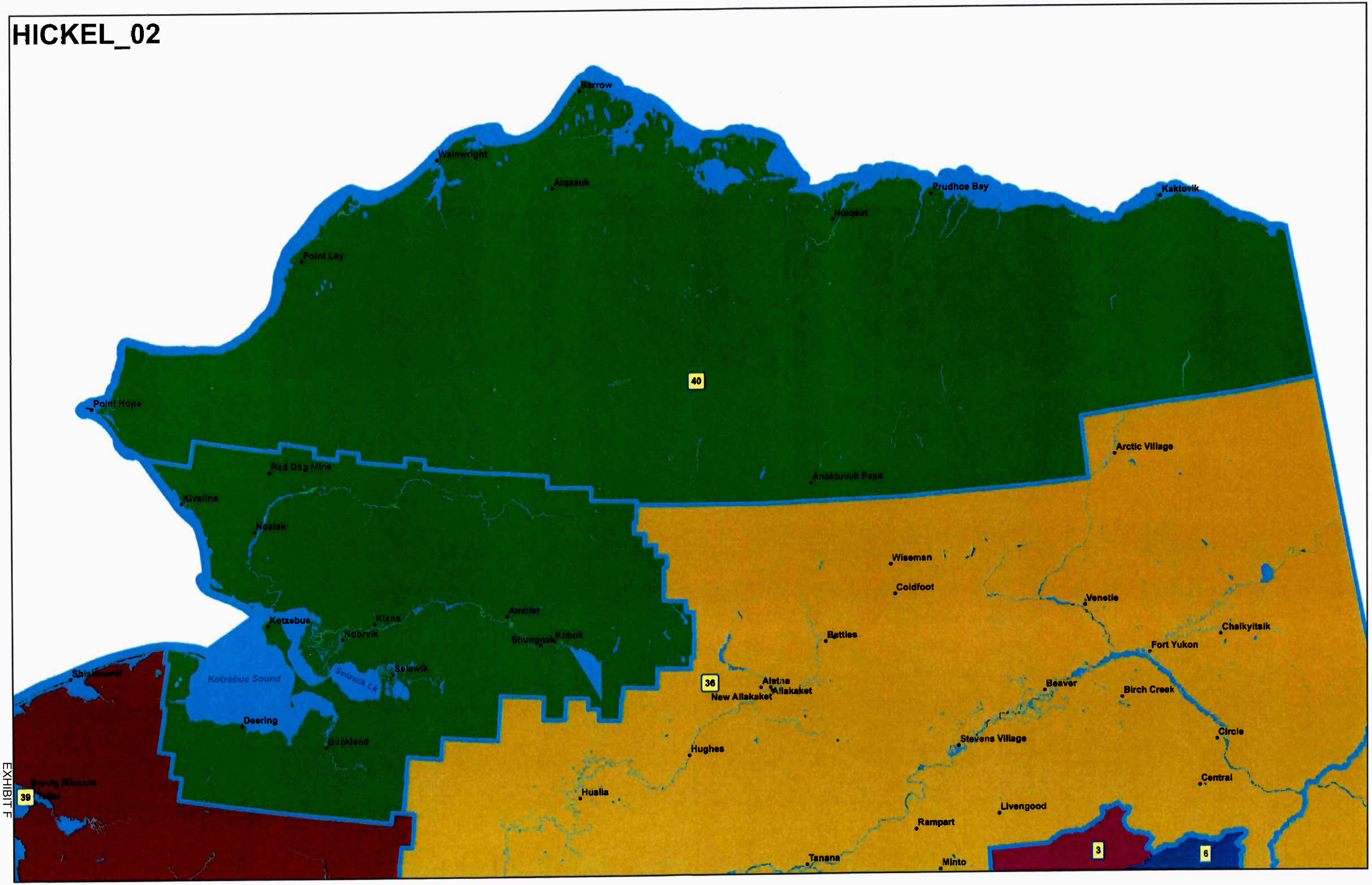
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Atqasuk
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Kaktovik
Nuiqsut
Point Lay
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Point Hope
Arctic Village
Red Dog Mine
Anaktuvuk Pass
Kivalina
Noatak
Wiseman
Coldfoot
Venetie
Ambler
Kiana
Kotzebue
Noorvik
Shungnak
Kobuk
Bettles
Chalkyitsik
Fort Yukon
Selawik
Selawik Lk
Kotzebue Sound
36
Alatna
Allakaket
New Allakaket
Beaver
Birch Creek
Deering
Buckland
Stevens Village
Circle
Hughes
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Tanana
Minto

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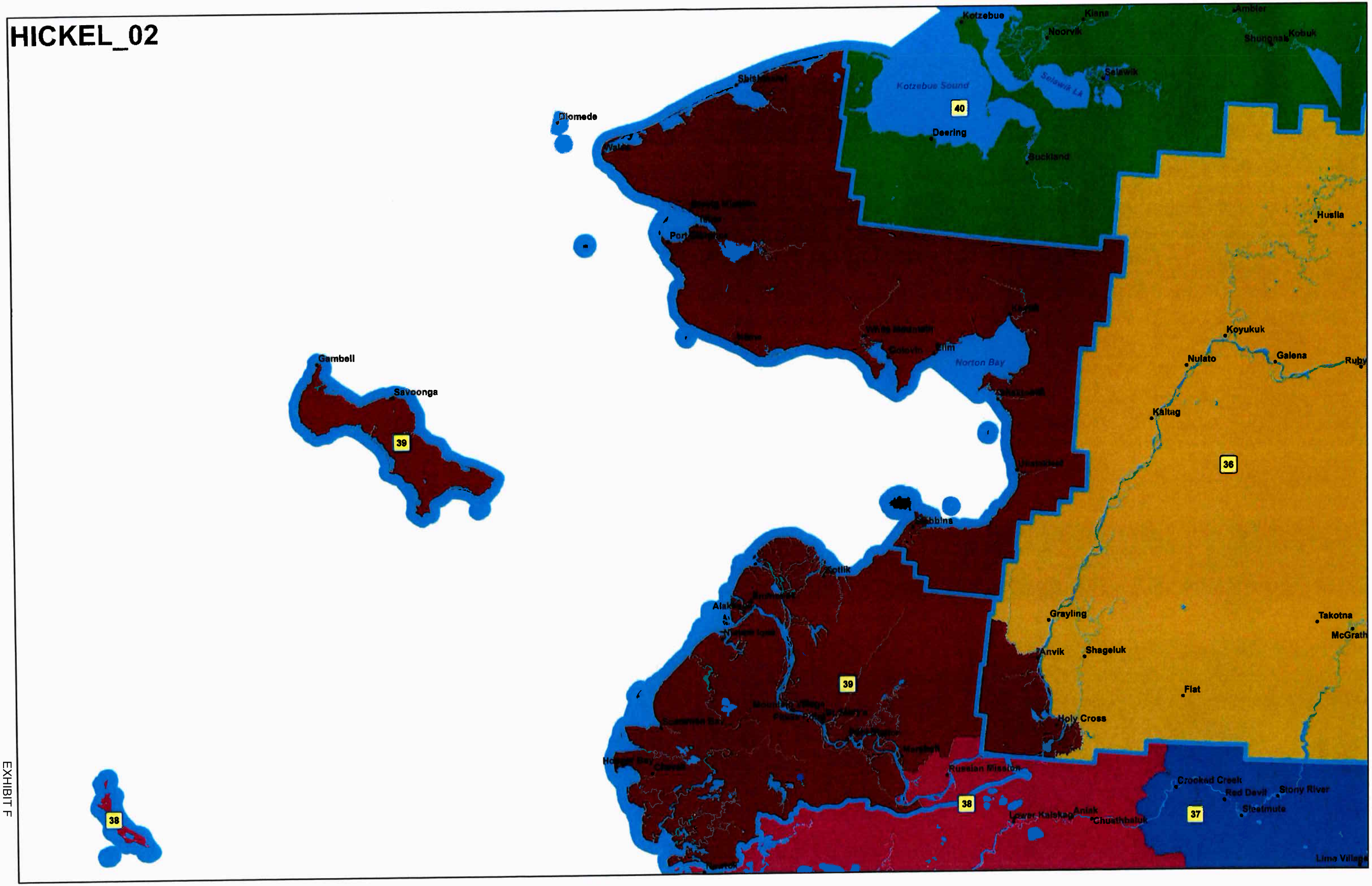
Kotzebue
Kiana
Noorvik
Ambler
Shungnak
Kobuk
Selawik
Selawik L.
Kotzebue Sound
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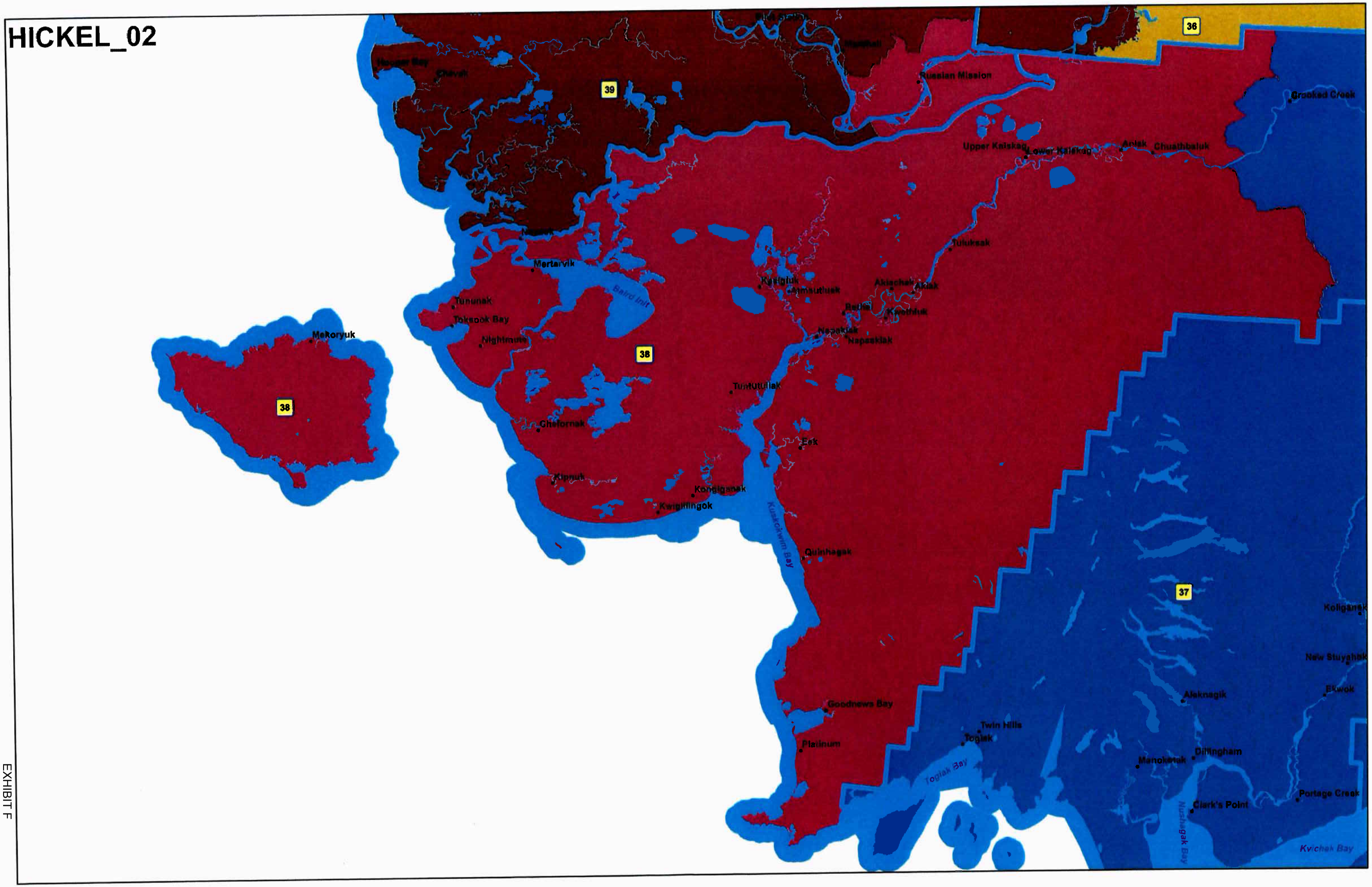
Deering
Buckland
Diomede
Wales
Port Clarence
Hughes
Koyukuk
Nulato
Galena
Ruby
Kaltag
Norton Bay
Elim
Gambell
Savoonga
39
36
Tubbins
Kotlik
Grayling
Anvik
Shageluk
Takotna
McGrath
Flat
Holy Cross
Russian Mission
Crooked Creek
Red Devil
Stony River
Sleetmute
Lower Kalskag
Aniak
Chuathbaluk
37
38
Lime Village

HICKEL_02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38
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37
Hooper Bay
Chevak
Russian Mission
Crooked Creek
Upper Kalskag
Lower Kalskag
Aniak
Chuathbaluk
Tuluksak
Mertarvik
Baird Inlet
Tununak
Toksook Bay
Nightmute
Mekoryuk
Kasigluk
Camsuthlak
Akiachak
Akiak
Napakiak
Napaskiak
Tuntutuliak
Chefornak
Eek
Kipnuk
Kongiganak
Kwigillingok
Kuskokwim Bay
Quinhagak
Koliganek
New Stuyahok
Ekwok
Ajaknagik
Goodnews Bay
Platinum
Twin Hills
Togiak
Togiak Bay
Manokotak
Dillingham
Clark's Point
Portage Creek
Nushagak Bay
Kvichak Bay

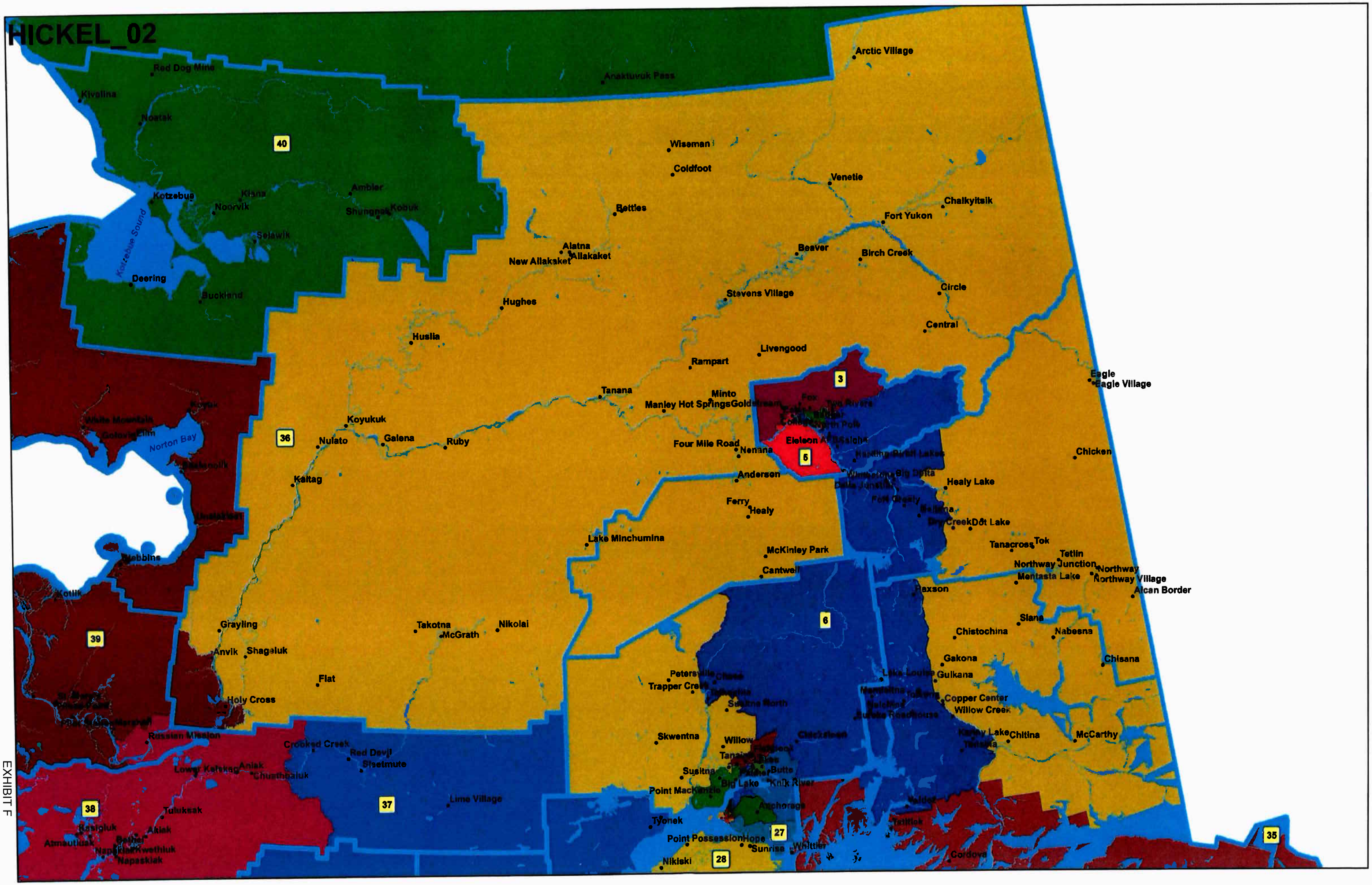
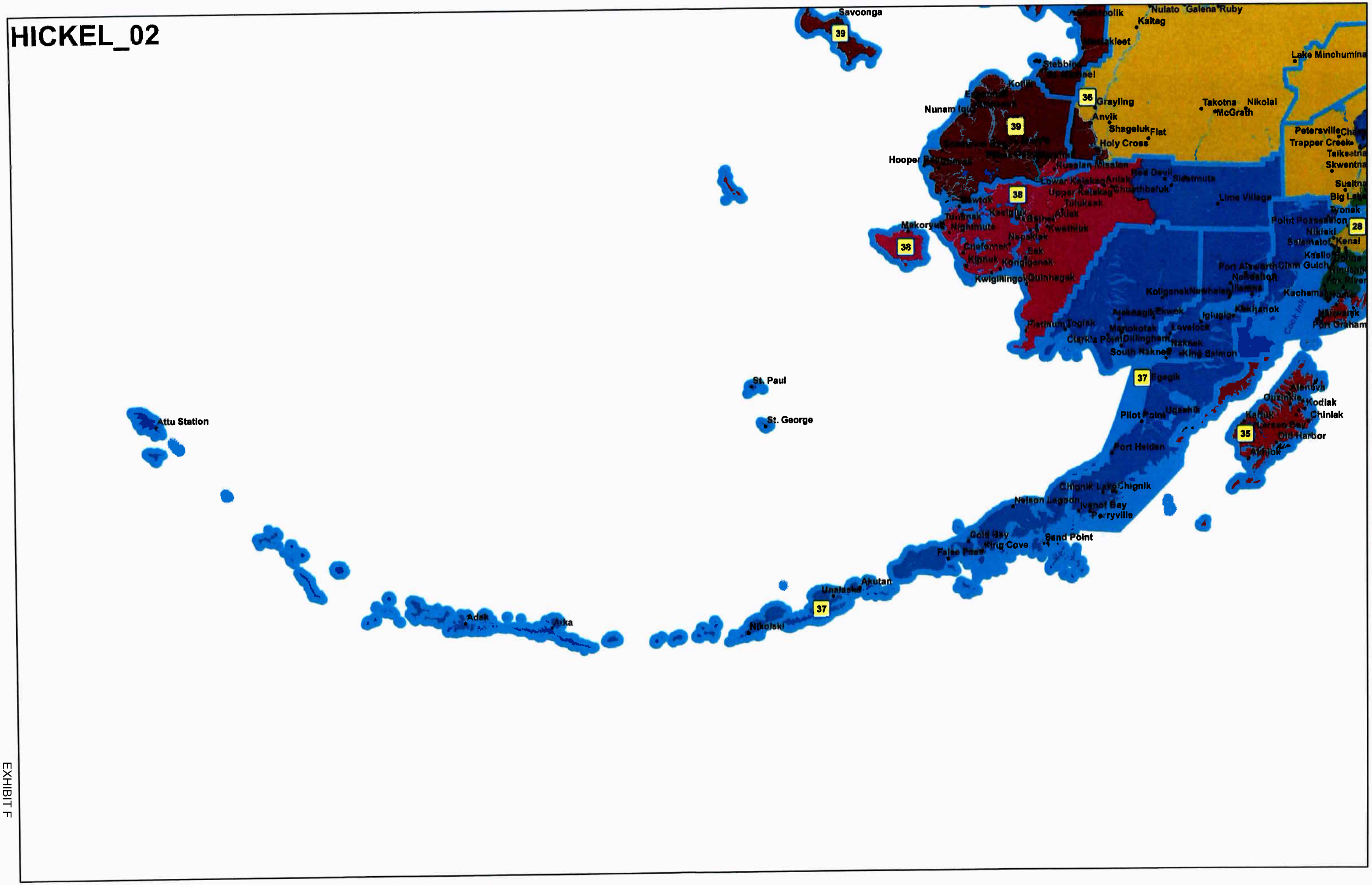


EXHIBIT F
26 of 40

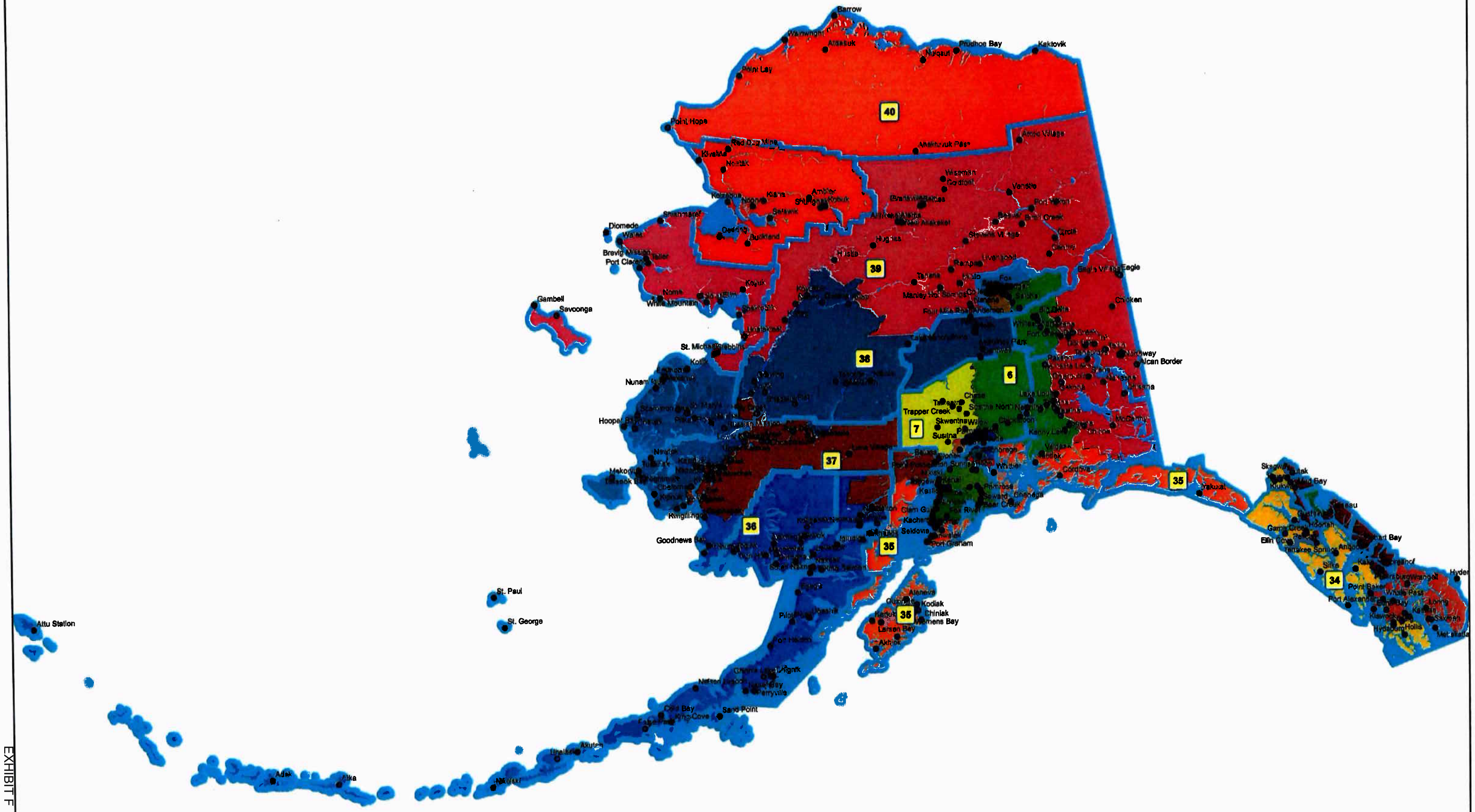
HICKEL_02


Savoonga
39
Nulato
Galena
Ruby
Kaltag
Lake Minchumina
Stebbins
Kotlik
36
Grayling
Anvik
Shageluk
Flat
Holy Cross
Takotna
Nikolai
McGrath
Nunam Iqua
39
Hooper Bay
Russian Mission
Red Devil
Sleetmute
Lower Kalskag
Upper Kalskag
Chuathbaluk
Tuluksak
Akiak
Kwethluk
Napakiak
Eek
Kwigillingok
Quinhagak
Lime Village
38
Makoryuk
Nightmute
Chefornak
Kipnuk
Koniganek
38
Petersville
Trapper Creek
Talkeetna
Skwentna
Susitna
Big Lake
Tyonek
Point Possession
Nikiski
Salamatof
Kenai
28
Kasilof
Clam Gulch
Port Alsworth
Nondalton
Iliamna
Kachemak
Koliganek
Newhalen
Ekwok
Aleknagik
Togiak
Platinum
Manokotak
Levelock
Clarks Point
Dillingham
Naknek
South Naknek
King Salmon
Igiugig
Kokhanok
Cook Inlet
Port Graham
37
Egegik
St. Paul
St. George
Attu Station
Pilot Point
Ugashik
Port Heiden
Alaska
Ouzinkie
Kodiak
Karluk
Karluk Bay
Chignik
35
Old Harbor
Akhiok
Chignik Lake
Chignik
Nelson Lagoon
Ivanof Bay
Perryville
Sand Point
Cold Bay
King Cove
False Pass
Akutan
Unalaska
37
Adak
Atka
Nikolski

HICKEL_03

DISTRICT	TAPERSONS	Target	Dev.	Difference
1	18565	17,756	4.56%	809
2	18494	17,756	4.16%	738
3	18516	17,756	4.28%	760
4	18604	17,756	4.78%	848
5	18475	17,756	4.05%	719
6	18418	17,756	3.73%	662
7	18573	17,756	4.60%	817
8	18428	17,756	3.79%	672
9	18566	17,756	4.56%	810
10	18613	17,756	4.83%	857
11	18110	17,756	1.99%	354
12	18079	17,756	1.82%	323
13	17931	17,756	0.99%	175
14	17221	17,756	-3.01%	-535
15	16892	17,756	-4.86%	-864
16	17202	17,756	-3.12%	-554
17	16989	17,756	-4.32%	-767
18	17095	17,756	-3.72%	-661
19	17107	17,756	-3.65%	-649
20	17241	17,756	-2.90%	-515
21	17702	17,756	-0.30%	-54
22	17885	17,756	0.73%	129
23	16977	17,756	-4.39%	-779
24	16915	17,756	-4.74%	-841
25	17678	17,756	-0.44%	-78
26	18072	17,756	1.78%	316
27	17778	17,756	0.13%	22
28	18159	17,756	2.27%	403
29	17914	17,756	0.89%	158
30	17988	17,756	1.31%	232
31	18251	17,756	2.79%	495
32	17801	17,756	0.25%	45
33	17075	17,756	-3.83%	-681
34	17875	17,756	0.67%	119
35	17921	17,756	0.93%	165
36	16990	17,756	-4.31%	-766
37	16897	17,756	-4.84%	-859
38	16875	17,756	-4.96%	-881
39	17124	17,756	-3.56%	-632
40	16953	17,756	-4.52%	-803

HICKEL_03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Atqasuk
Prudhoe Bay
Nuiqsut
Kaktovik
Point Lay
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Point Hope
Red Dog Mine
Kivalina
Noatak
Arctic Village
Wiseman
Coldfoot
Venetie
Kotzebue
Noorvik
Kiana
Ambler
Shungnak
Kobuk
Selawik
Shishmaref
Diomede
Wales
Deering
Buckland
Hughes
Circle
Brevig Mission
Port Clarence
Teller
Huslia
Ruby
Eagle
Gambell
Savoonga
Nome
White Mountain
Koyuk
Chicken
St. Michael
Stebbins
Kotlik
Nunam Iqua
Mentasta Lake
Tanacross
Tetlin
Northway
Alcan Border
Hoopeh
Trapper Creek
Talkeetna
Skwentna
Susitna
McGrath
Newtok
Tuluksak
Makoryak
Chefornak
Kwigillingok
Goodnews Bay
Cordova
Valdez
Whittier
Seldovia
Port Graham
Yakutat
Skagway
Haines
Juneau
Gustavus
Hoonah
Elfin Cove
Tenakee Springs
Angoon
Sitka
Kake
Petersburg
Wrangell
Point Baker
Ketchikan
Hydaburg
Hollis
Metlakatla
Hyder
St. Paul
St. George
Attu Station
Akutan
Unalaska
Adak
Atka
Nikolski
Cold Bay
King Cove
Sand Point
Perryville
Chignik
Kodiak
Chiniak
Womens Bay
Larsen Bay
Akhiok
Ninilchik
Homer
Kenai
Soldotna
Sterling
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Tyonek
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Wrangell
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Valdez
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Cold Bay
King Cove
Sand Point
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Port Heiden
Pilot Point
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Buckland
Brevig Mission
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Tuluksak
Makoryak
Chefornak
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Prudhoe Bay
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Arctic Village
Wiseman
Coldfoot
Venetie
Kotzebue
Noorvik
Kiana
Ambler
Shungnak
Kobuk
Selawik
Shishmaref
Diomede
Wales
Deering
Buckland
Hughes
Circle
Huslia
Ruby
Eagle
Chicken
Tanacross
Tetlin
Northway
Alcan Border
Mentasta Lake
Trapper Creek
Talkeetna
Skwentna
Susitna
McGrath
Cordova
Valdez
Whittier
Seldovia
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Yakutat
Skagway
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Juneau
Gustavus
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Larsen Bay
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Kenai
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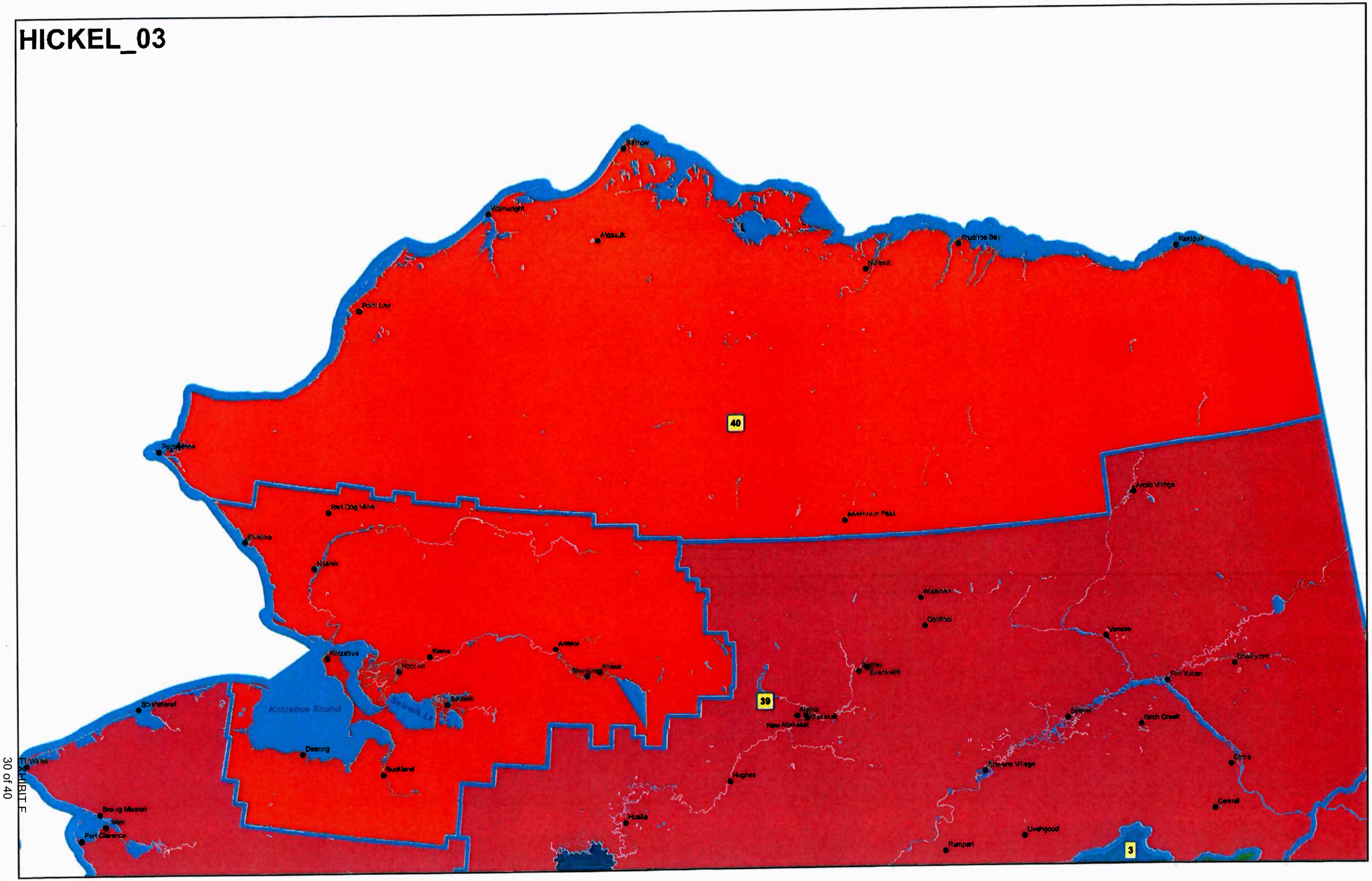

EXHIBIT E

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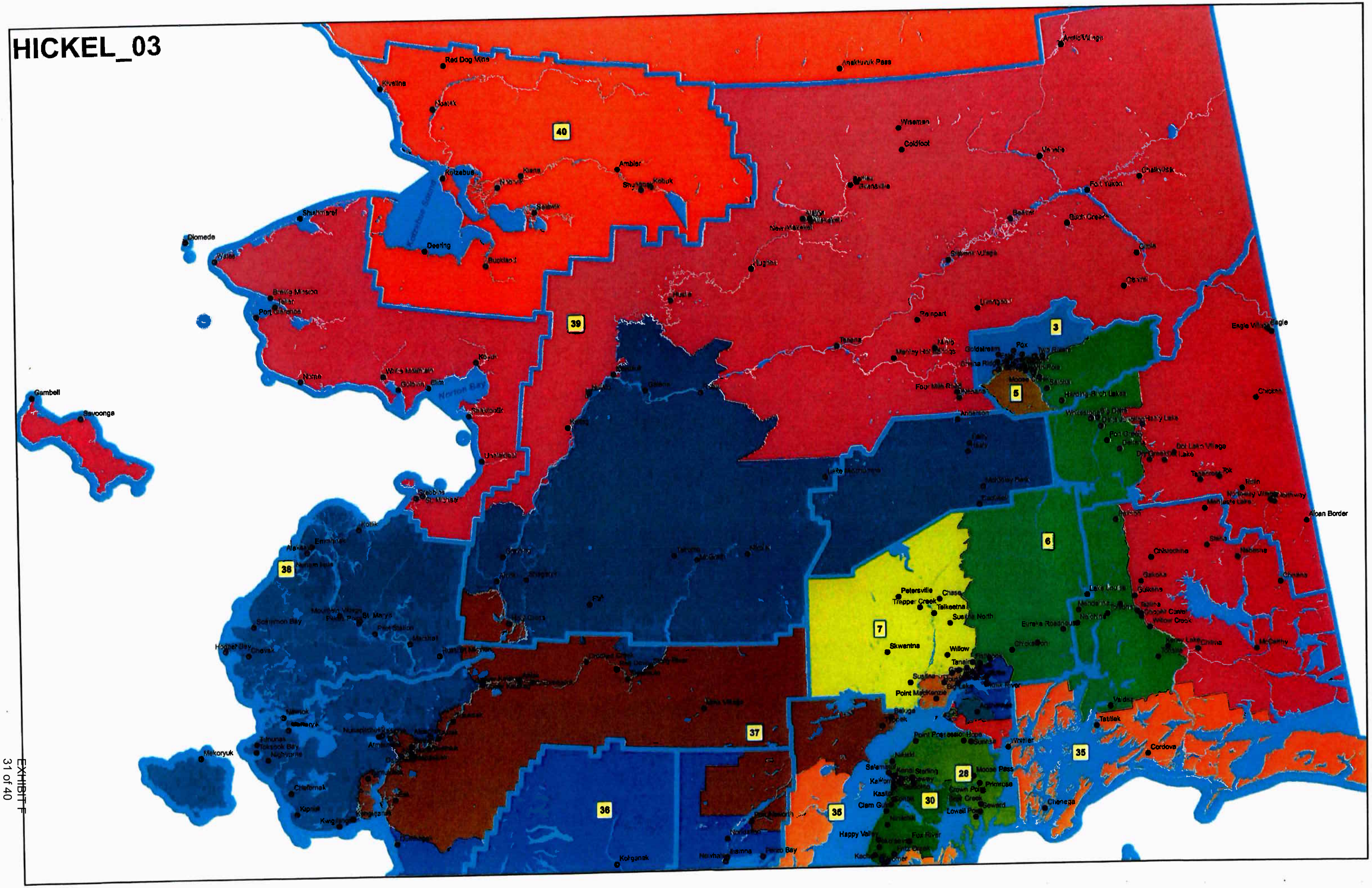
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Noorvik
Ambler
Shungnak
Kobuk
Selawik
Deering
Buckland
Shishmaref
Diomede
Wales
Brevig Mission
Teller
Port Clarence
Nome
White Mountain
Golovin
Elim
Koyuk
Norton Bay
Shaktoolik
Unalakleet
Gambell
Savoonga
Stebbins
St. Michael
Kotlik
Emmonak
Alakanuk
Hooper Bay
Chevak
Scammon Bay
Mountain Village
Pilot Station
St. Marys
Marshall
Russian Mission
Newtok
Tununak
Toksook Bay
Nightmute
Mekoryuk
Chefornak
Kipnuk
Kwigillingok
Kongiganak
Kolganak
Anaktuvuk Pass
Wiseman
Coldfoot
Venetie
Arctic Village
Chalkyitsik
Fort Yukon
Beaver
Birch Creek
Circle
Central
Eagle Village
Eagle
Chicken
Tanacross
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Northway
Alcan Border
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Gakona
Glennallen
Paxson
Cantwell
Healy
Ferry
Nenana
Tanana
Rampart
Manley Hot Springs
Minto
Goldstream
Fox
Two Rivers
Chena Ridge
Moose Creek
Salcha
Four Mile Road
Nikolai
Anderson
Harding-Birch Lakes
Willow Creek
Big Lake
Point MacKenzie
Petersville
Trapper Creek
Chase
Talkeetna
Sustina North
Skwentna
Willow
Tanaina
Sustina
Beluga
Point Possession
Hope
Sunrise
Whittier
Moose Pass
Primrose
Crown Point
Seward
Lowell Point
Salamatof
Kenai
Sterling
Kasilof
Clam Gulch
Happy Valley
Fox River
Homer
Nikolaevsk
Ninilchik
Anchor Point
Ninilchik
Kachemak
Tatitlek
Cordova
Chenega
Eyak
Nelchina
Glennallen
Gulkana
Tazlina
Copper Center
Willow Creek
Lake Louise
Mendeltna
Nabesna
Chistochina
Gakona
Slana
Tetlin
Northway
Mentasta Lake
Dot Lake Village
Dot Lake
Delta Junction
Big Delta
Fort Greely
Tanacross
Eureka Roadhouse
Chickaloon
Palmer
Wasilla
Sutton
Chugiak
Eagle River
Anchorage
Girdwood
Hope
Cooper Landing
Moose Creek
Sterling
Kenai
Soldotna
Kasilof
Ninilchik
Homer
Seldovia
Nikolaevsk
Fairbanks
North Pole
Ester
Salcha
Delta Junction
Tok
Northway
Tanacross
Eagle
Eagle Village
Chicken
Central
Circle
Beaver
Fort Yukon
Chalkyitsik
Venetie
Arctic Village
Anaktuvuk Pass
Wiseman
Coldfoot
Bettles
Allakaket
Hughes
Alatna
Galena
Koyukuk
Nulato
Kaltag
Tanana
Ruby
Stevens Village
Rampart
Manley Hot Springs
Minto
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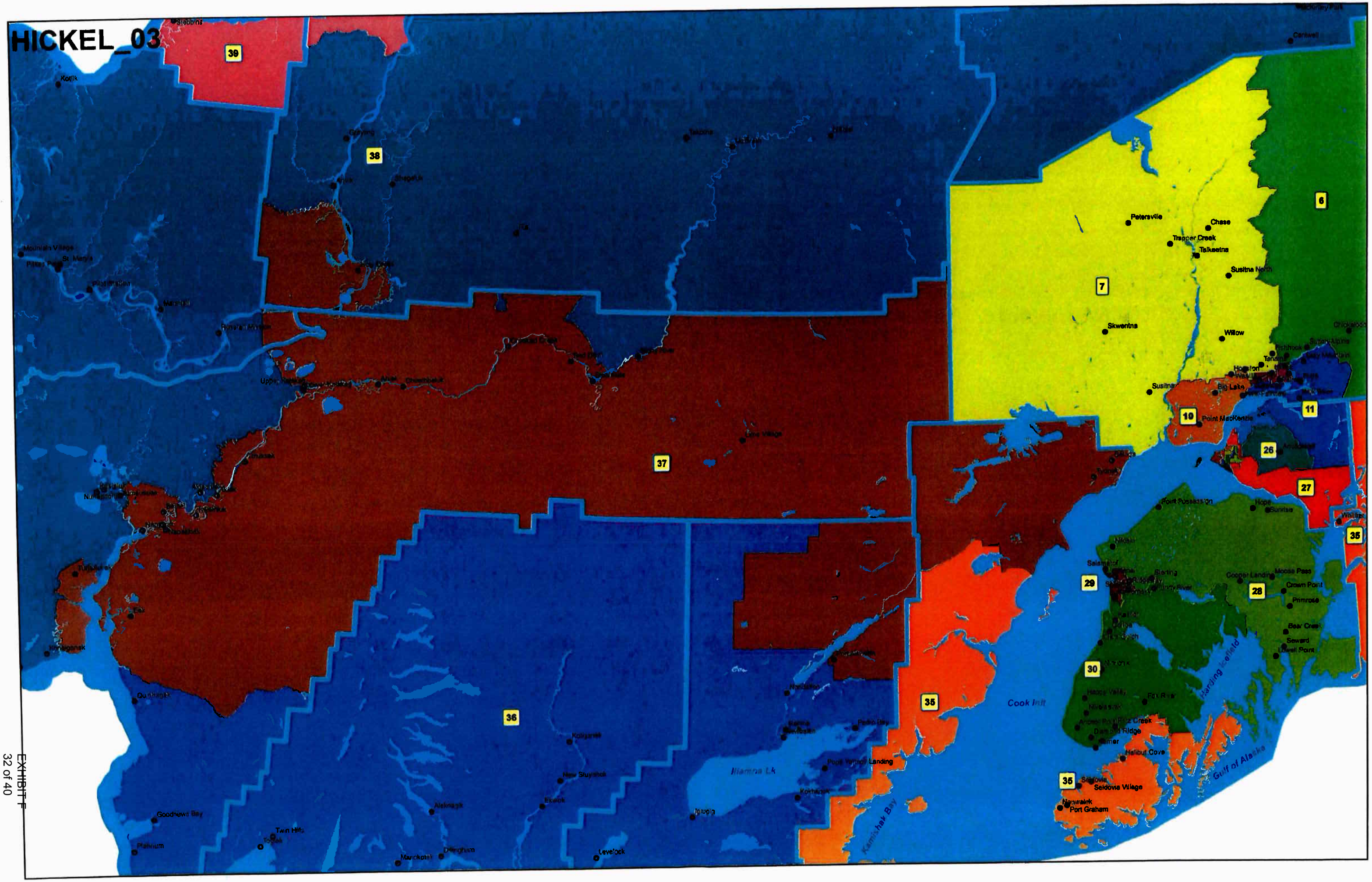
Nelchina


HICKEL_03
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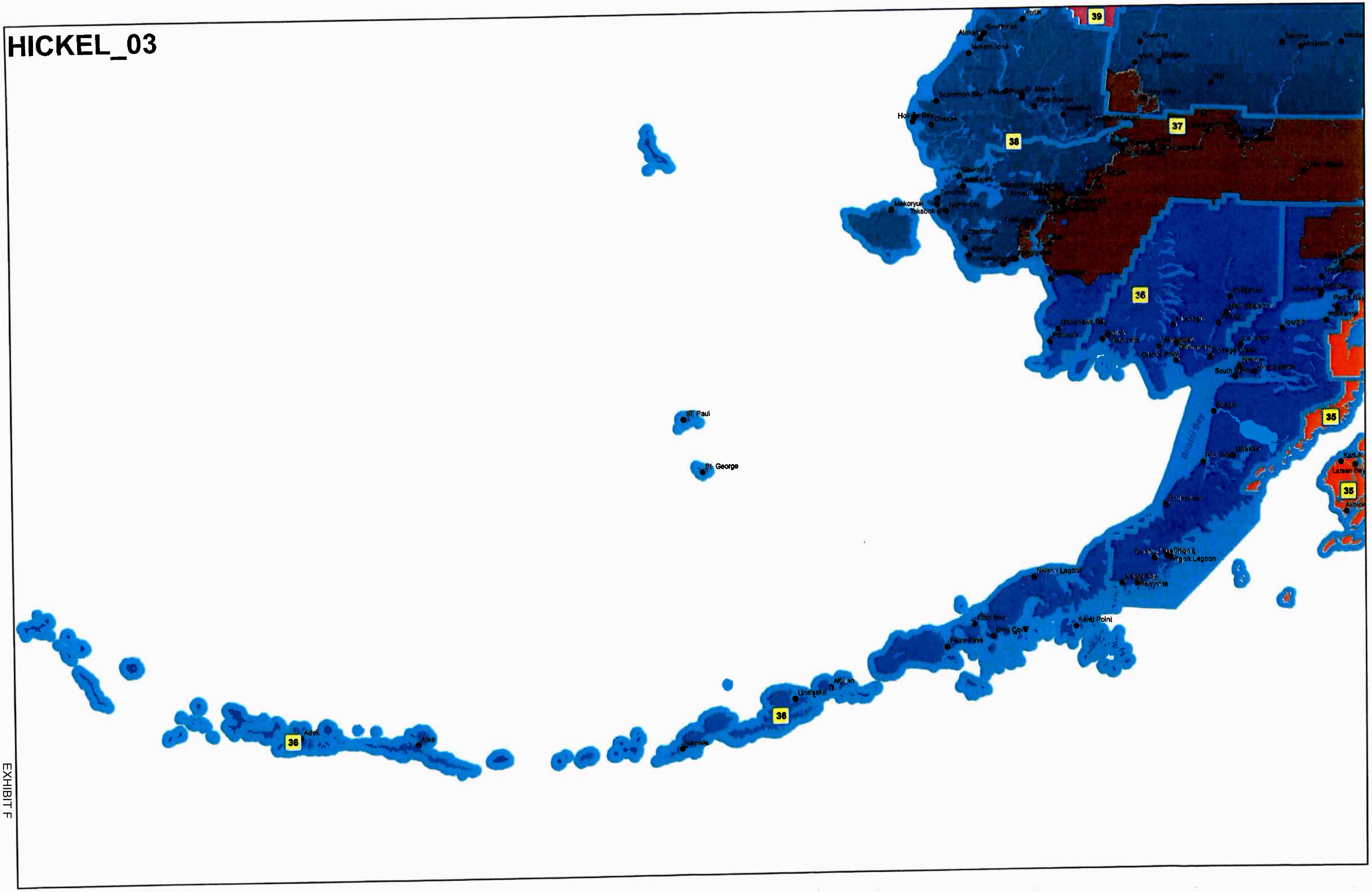
Kotlik
Stebbins
Galena
Takotna
Nikolai
Shageluk
Ophir
Mountain Village
St. Marys
Pilot Station
Marshall
Russian Mission
Upper Kalskag
Chuathbaluk
Akiak
Chauthbaluk
Tuluksak
Kwethluk
Akiachak
Bethel
Napakiak
Napaskiak
Oscarville
Tununak
Eek
Kwigillingok
Quinhagak
Kongiganak
Tuntutuliak
Goodnews Bay
Platinum
Twin Hills
Togiak
Manokotak
Dillingham
Aleknagik
Ekwok
New Stuyahok
Koliganek
Levelock
Igiugig
Iliamna Lk
Kokhanok
Newhalen
Nondalton
Pedro Bay
Pope Vanoy Landing
Tyonek
Beluga
Chase
Trapper Creek
Talkeetna
Susitna North
Skwentna
Willow
Susitna
Big Lake
Point MacKenzie
Point Possession
Hope
Sunrise
Whittier
Moose Pass
Crown Point
Primrose
Bear Creek
Seward
Lowell Point
Cooper Landing
Sterling
Kenai
Homer
Halibut Cove
Seldovia
Seldovia Village
Port Graham
Nanwalek
Cook Inlet
Kamishak Bay
Harding Icefield
Gulf of Alaska

HICKEL_03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St. Paul
St. George
Kotlik
Emmonak
Alakanuk
Nunam Iqua
Scammon Bay
Hooper Bay
Chevak
St. Marys
Pilot Station
Marshall
Mountain Village
Newtok
Tununak
Nightmute
Mekoryuk
Toksook Bay
Chefornak
Kongiganak
Eek
Tuntutuliak
Goodnews Bay
Portage Creek
Dillingham
Aleknagik
Manokotak
Togiak
Twin Hills
Clarks Point
Ekwok
Koliganek
New Stuyahok
Naknek
King Salmon
South Naknek
Iliamna
Newhalen
Nondalton
Pedro Bay
Port Alsworth
Igiugig
Levelock
Egegik
Pilot Point
Ugashik
Port Heiden
Chignik Lagoon
Chignik Bay
Chignik
Nelson Lagoon
Sand Point
Cold Bay
King Cove
False Pass
Akutan
Unalaska
Nikolski
Adak
Atka
Karluk
Larsen Bay
Akhiok
Bristol Bay

Clemens, Tara L.

From: Taylor Bickford [tbickford@akredistricting.org]
Sent: Tuesday, March 27, 2012 9:47 AM
To: Manna, Lynne E.; White, Michael; Corr, Nicole A.; Clemens, Tara L.; Tardugno, Anita
Subject: HICKEL_04 Maps/Data
Attachments: HICKEL_04_3.pdf; HICKEL_04_2.pdf; HICKEL_04.pdf

DISTRICT	TAPERSONS	Target	Dev.	Differenc
1		17,755	-100.00%	-17,755
2		17,755	-100.00%	-17,755
3		17,755	-100.00%	-17,755
4		17,755	-100.00%	-17,755
5		17,755	-100.00%	-17,755
6	18269	17,755	2.89%	514
7	17767	17,755	0.07%	12
8	17836	17,755	0.46%	81
9	17820	17,755	0.37%	65
10	17800	17,755	0.25%	45
11	17826	17,755	0.40%	71
12	18079	17,755	1.82%	324
13	17931	17,755	0.99%	176
14	17806	17,755	0.29%	51
15	17797	17,755	0.24%	42
16	17925	17,755	0.96%	170
17	17667	17,755	-0.50%	-88
18	17743	17,755	-0.07%	-12
19	17642	17,755	-0.64%	-113
20	17755	17,755	0.00%	0
21	17012	17,755	-4.18%	-743
22	17526	17,755	-1.29%	-229
23	16937	17,755	-4.61%	-818
24	17924	17,755	0.95%	169
25	17272	17,755	-2.72%	-483
26	18072	17,755	1.79%	317
27	16935	17,755	-4.62%	-820
28	16974	17,755	-4.40%	-781
29	16978	17,755	-4.38%	-777
30	16869	17,755	-4.99%	-886
31	18251	17,755	2.79%	496
32	17801	17,755	0.26%	46
33	17075	17,755	-3.83%	-680

34	17875	17,755	0.68%	120
35	17490	17,755	-1.49%	-265
36	16990	17,755	-4.31%	-765
37	16878	17,755	-4.94%	-877
38	16875	17,755	-4.96%	-880
39	16944	17,755	-4.57%	-811
40	16953	17,755	-4.52%	-802

Best Regards,

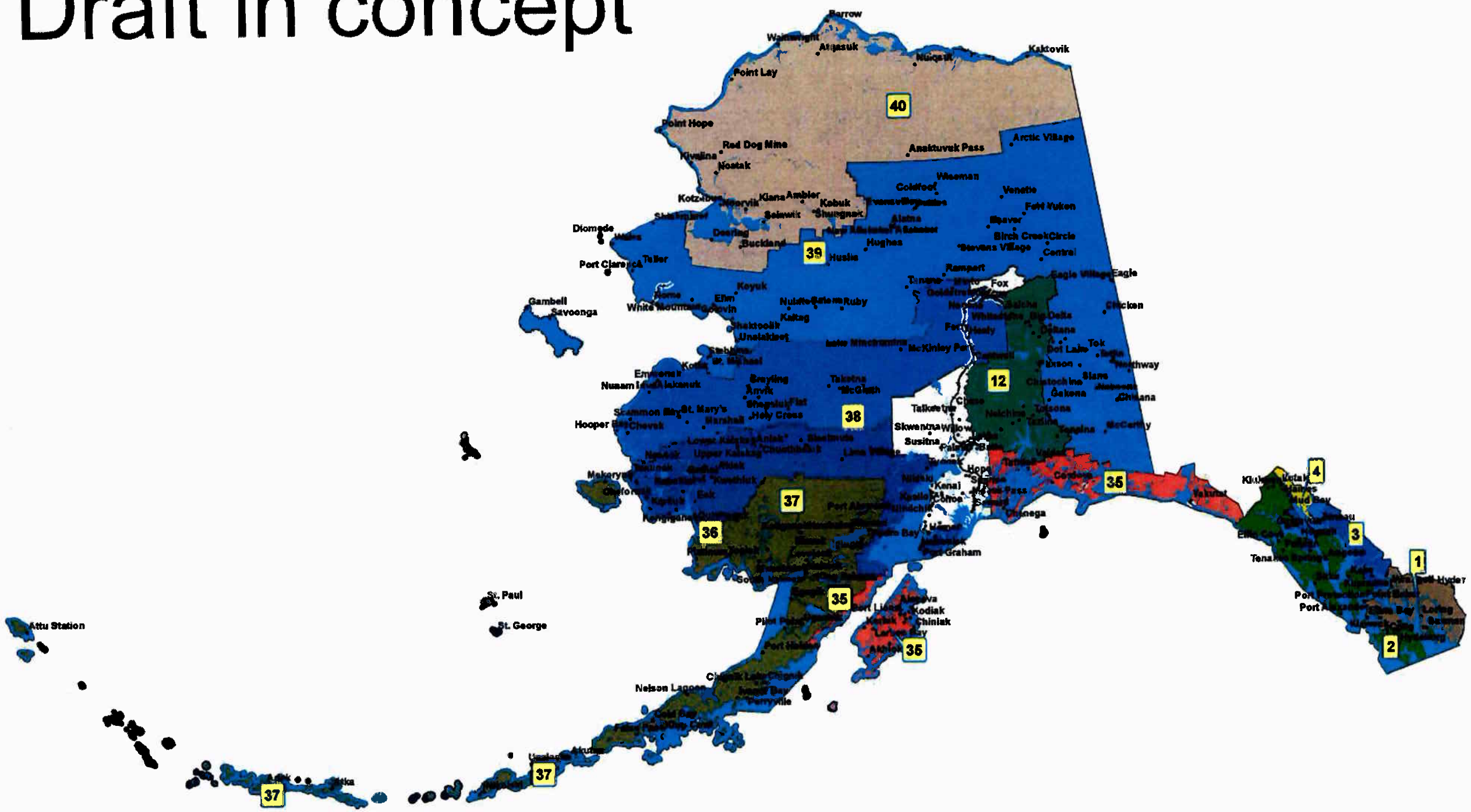
Taylor Bickford
Executive Director
Alaska Redistricting Board

Office: (907) 269-7499 | Cell: (907) 310-3392

DRAFT CONCEPT DISTRICTS - 2002 GOVERNOR RACE

District	Senate	DEM	REP	AI	GRN	LIB	MOD_R	Write Ins
1		1337	3552	43	53	26	20	1
2		3011	2638	63	91	15	20	1
	A	4348	6190	106	144	41	40	2
3		3792	2353	26	58	20	23	7
4		3018	2768	20	44	24	13	9
	B	6810	5121	46	102	44	36	16
35		1729	2539	33	34	26	28	7
36		2533	838	93	32	13	17	2
	R	4262	3377	126	66	39	45	9
37		1669	1547	60	56	18	19	2
38		2835	1763	109	84	34	32	3
	S	4504	3310	169	140	52	51	5
39		2799	1856	91	58	22	35	3
40		1841	1148	76	46	14	12	4
	R	4640	3004	167	104	36	47	7

Draft in concept


Barrow
Kaktovik
Point Lay
Point Hope
Red Dog Mine
Kivalina
Noatak
Arctic Village
Anaktuvuk Pass
Wiseman
Coldfoot
Venetie
Fort Yukon
Beaver
Kotzebue
Noorvik
Kiana
Ambler
Kobuk
Selawik
Shungnak
Alatna
Diomede
Deering
Buckland
Hughes
Huslia
Birch Creek
Circle
Stevens Village
Central
Port Clarence
Teller
Rampart
Eagle Village
Eagle
Fox
Gambell
Savoonga
Keyuk
Elim
Ruby
Kaltag
Chicken
Unalakleet
Tok
Dot Lake
Northway
Emmonak
Nunam Iqua
Kotlik
St. Michael
Grayling
Anvik
Takotna
Sleetmute
Chistochina
Slana
Gakona
Chitina
Hooper Bay
Chevak
St. Mary's
Marshall
Holy Cross
Talkeetna
Skwentna
Susitna
Tyonek
Tatitlek
Cordova
Chenega
Makoryuk
Kenai
Homer
Port Graham
Kodiak
Chignik
Sand Point
Cold Bay
St. Paul
St. George
Attu Station
Nelson Lagoon
Dutch Harbor
Unalaska
Akutan
Adak
Atka
Port Alexander
Hyder
Port Alsworth
Lake Clark
Iliamna
Nondalton
Levelock
Dillingham
Aleknagik
Togiak
Manokotak
Aniak
Chuathbaluk
Lime Village
Port Alsworth
Port Heiden
Chignik Lake
Perryville
Ivanof Bay
Sand Point
Cold Bay
Akutan
Unalaska
Adak
Atka
Port Graham
Kenai
Homer
Kodiak
Chignik
Larsen Bay
Akhiok
Port Alsworth
Port Alexander
Hyder
Tenakee Springs
Elfin Cove
Kake
Petersburg
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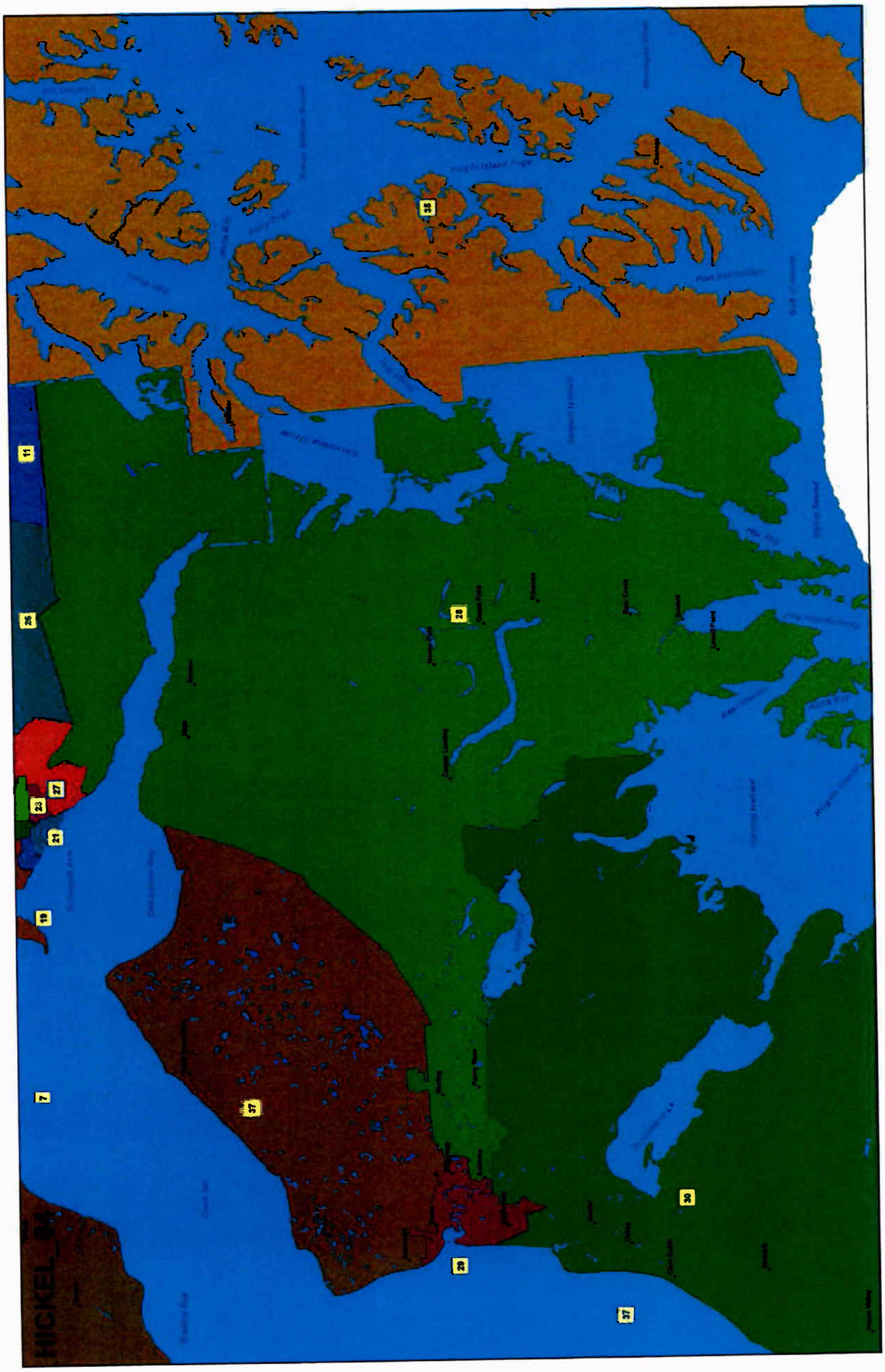
HICKEL_04
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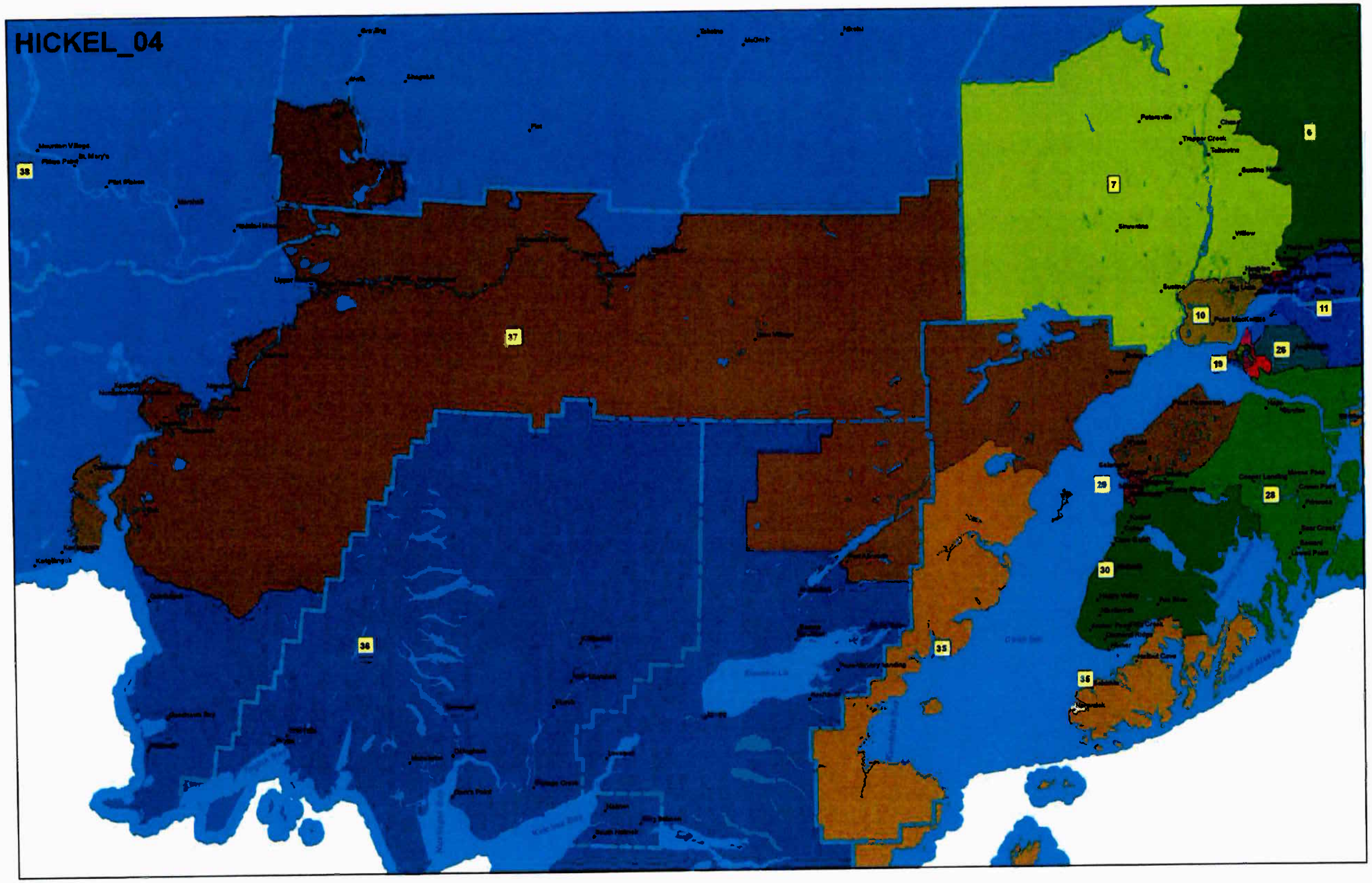
Cambridge Bay
Victoria Island
Bathurst Inlet
Coronation Gulf
Dease Strait
Queen Maud Gulf
Wilkinson Lake
Contwoyto Lake
Point Lake
Lac de Gras
Lac Du Sauvage
Lac Du Brochet
Lac Du Nonacho
Lac Du Bonnet
Lac Du Bois
Lac Du Bois
Lac Du Bois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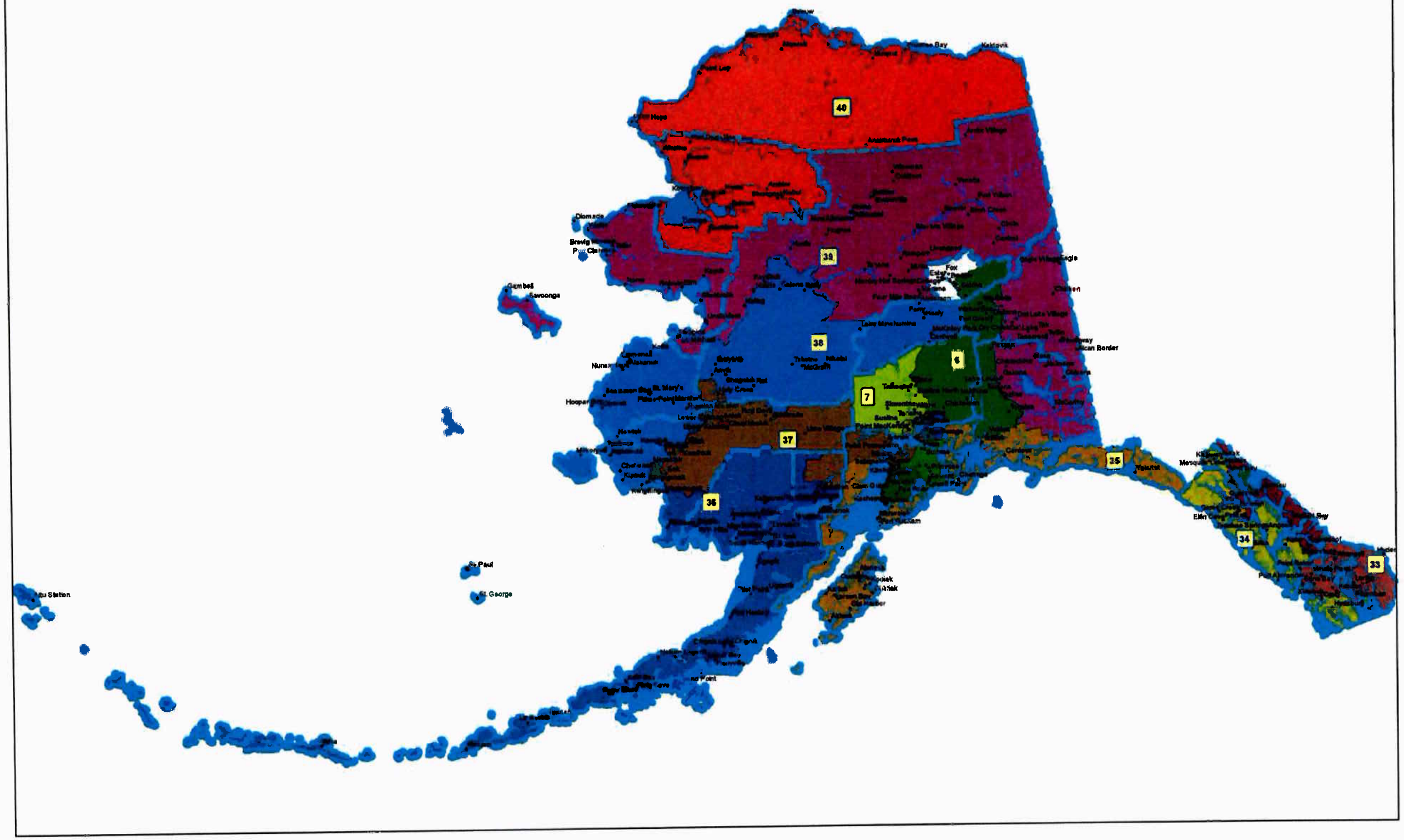
HICKEL_04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Kaktovik
Gambell
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St. Paul
St. George
Eagle
Chicken
Tok Station