

## **NPA 250/604/778 RELIEF PLANNING COMMITTEE - TIF REPORT**

**Date Submitted:** 30 May 2011

**WORKING GROUP:** NPA 250/604/778 Relief Planning Committee (Ad Hoc)

**REPORT #:** NPA 250/604/778 TIF Report 1 File ID: 250\_604\_778RE01A.doc

**REPORT TITLE:** Relief Planning Committee (RPC) Recommendation for the NPA 250/604/778 Planning Document

**OUTCOME:** Non-Consensus

**RELATED TASK(s) #:** None

### **BACKGROUND:**

On 3 November 2010 the CRTC issued Telecom Notice of Consultation 2010-815, *Establishment of a CISC ad hoc committee for relief planning for area codes 250, 604, and 778 in British Columbia*, in which it established the CISC ad hoc Relief Planning Committee (RPC) for NPA 250/604/778.

The NPA 250/604/778 RPC developed the attached Planning Document (PD) which was prepared in accordance with the CRTC-approved Canadian NPA Relief Planning Guideline dated 2 June 2009. The purpose of the PD is to identify and assess NPA 250/604/778 Relief Options and to make recommendations to the CISC and CRTC for the preferred relief method for NPA 250/604/778.

Based on the assessment of Relief Options and other issues contained in the PD, the RPC submits the attached PD to the CISC and CRTC for approval. The PD contains the following consensus recommendations:

- 1) The Relief Method should be a distributed overlay of the NPA 250/604/778 area (i.e., a province-wide overlay).
- 2) The Relief Date should be 1 June 2013, which is 17 months prior to the PED of November 2014.
- 3) The proposed Relief Implementation Schedule contained in Section 10 of this Planning Document should be utilized.
- 4) NPA Code 236 should be used for the initial relief of NPA 250/604/778 and NPA Code 672 should be set aside for subsequent relief of NPA 236/250/604/778.

The RPC was not able to agree on which distributed overlay option should be implemented, Option 6 or Option 7.

Bell Canada and TELUS favour Option 6 which involves a distributed overlay of two NPAs simultaneously. If Option 6 were approved by the Commission, CO Codes in

NPA 236 should be made available for assignment on the Relief Date and CO Codes in the additional new NPA Code 672 only be made available for assignment by the CNA when 90% of the assignable CO Codes in NPA 236 have been assigned.

Rogers Communications favours Option 7 which involves a distributed overlay of only a single NPA at this time. Rogers Communications does not object to setting aside NPA 672 for future use, but is not prepared to support implementing two relief NPAs at the same time.

For additional details and recommendations see the PD.

**RECOMMENDATIONS:**

The NPA 250/604/778 RPC hereby submits the attached Planning Document (PD) for CRTC Interconnection Steering Committee (CISC) and Commission consideration.

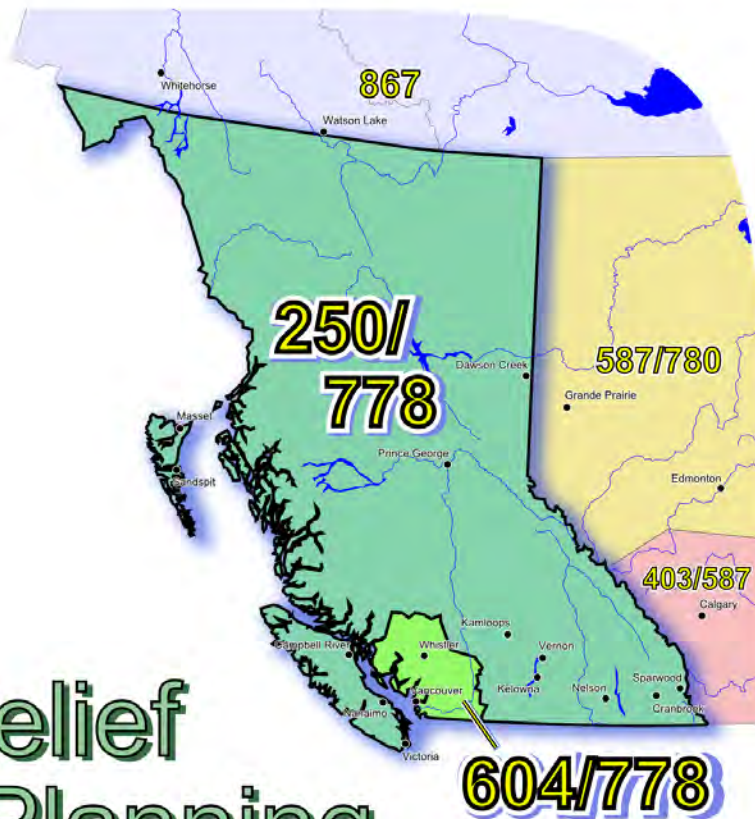
The NPA 250/604/778 RPC requests that the Commission approve the consensus items noted above and resolve the non-consensus item regarding which overlay option (6 or 7) should be implemented.

**ATTACHMENT:**

NPA 250/604/778 Planning Document dated 30 May 2011



# NPA 250/604/778



## Relief Planning

Planning Document (PD)  
Version 1.0 – 30 May 2011

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# Planning Document NPA 250/604/778 Relief

## 1. INTRODUCTION

This Planning Document addresses the need for numbering relief in the province of British Columbia which is the geographic area served by NPA Codes 250, 604 and 778. The province of British Columbia is divided into 314 Exchange Areas that are currently served by three NPA Codes as follows:

NPA Code	Geographic Area Served	# Exchange Areas
250	All of British Columbia except the Lower Mainland (see note below)	271
604	Lower Mainland	43
778	All of British Columbia	314

Note: NorthWestTel serves 14 Exchange Areas in northern British Columbia, of which 13 can only handle a single NPA Code. The 13 Exchange Areas are: Blueberry, Bob Quinn Lake, Dease Lake, Fort Ware, Good Hope Lake, Iskut, Lower Post, Mould Creek, Muncho Lake, Prophet River, Telegraph Creek, Toad River, and Wonowon. Blueberry is served by telephone numbers in the Wonowon NXX 250-772, and Mould Creek is served by telephone numbers with the Muncho Lake NXX 250-776. The NorthWestTel Exchange Area of Fort Nelson can handle more than one NPA Code.

In 1996, NPA 250 was created by splitting the geographic area covered by NPA 604 into two geographic areas. The geographic area containing the Lower Mainland (the southwest part of British Columbia) retained NPA Code 604 and the remainder of British Columbia was assigned new NPA Code 250.

On 3 November 2001, a concentrated overlay using the new NPA Code 778 was introduced over a portion of the geographic area served by NPA Code 604 (i.e. Greater Vancouver Regional District, Abbotsford and Mission) to provide numbering relief to for area code 604. At that time 10-digit local dialling became mandatory in the entire NPA 604 geographic serving area. In July 2007 to provide relief for area code 250, the geographic area served by area code 778 was extended to cover the NPA 250 region and the remainder of the NPA 604 region, thus serving all of British Columbia (i.e., a province-wide overlay).

In Telecom Decision CRTC 2007-38 (*Code relief for area code 250 – British Columbia*), the Commission directed the CNA "to reserve three CO codes from area code 250 for Northwestel's growth requirements in its northern British Columbia exchanges to enable Northwestel to continue to use its current switches well into the future and, as a result, avoid the expense of replacing 13 of its 15 switches in northern British Columbia". At the same time, the remaining Central Office (CO) Codes in NPA Code 604 became assignable throughout the NPA 604 region. Subsequently, in September 2008 mandatory ten-digit local dialling was implemented in the NPA 250 region of British Columbia, thereby making mandatory ten-digit local dialling universal in the Province of British Columbia.

In accordance with the Canadian Numbering Resource Utilization Forecast (C-NRUF) Guideline, the Canadian Numbering Administrator (CNA) is required to conduct an annual General Numbering Resource Utilization Forecast (G-NRUF) in January of each year. The input

from the G-NRUF is used to estimate the Projected Exhaust Date (PED) for each Canadian NPA.

The January 2010 G-NRUF indicated that the PED for NPA 250/604/778 had moved inward by almost 3.5 years from December 2019 to July 2016. The Canadian Steering Committee on Numbering (CSCN) requested the CNA to conduct a Relief Planning Numbering Resource Utilization Forecast (R-NRUF) in July 2010.

On 14 September 2010, the CNA advised the Commission that based on the results of the July 2010 R-NRUF, area codes 250, 604, and 778 were projected to exhaust by August 2016, which was within the prescribed timeframe for beginning NPA Relief Planning activities.

The January 2011 R-NRUF indicated that the PED for NPA 250/604/778 had again moved inward by 1 year and 9 months from July 2016 to November 2014.

On 3 November 2010 the CRTC issued Telecom Notice of Consultation CRTC 2010-815 (*Establishment of a CISC ad hoc committee for relief planning for area codes 250, 604, and 778 in British Columbia*). In the Notice of Consultation, the Commission directed the ad hoc Relief Planning Committee (RPC) to examine options for providing numbering relief to the areas served by area codes 250, 604, and 778 in British Columbia. The Commission invited members of the public and Telecommunications Service Providers (TSPs) to participate in the RPC's activities.

The Notice of Consultation also directed the RPC to set aside, at a minimum, 7 CO Codes for initial code assignments for Carriers already providing service in the region served by area codes 250, 604 and 778, and 10 CO Codes from area code 778 for initial code assignments exclusively for new entrants.

In accordance with the Canadian Numbering Resource Utilization Forecast (C-NRUF) Guideline, the CNA is required to conduct a semi-annual R-NRUF in January and July of each year once an NPA has entered the NPA Relief Planning window.

The chart and data contained in Annex A, Figure 3 provides a summary of the actual CO Code assignments and historical G- and R-NRUF forecasts for NPA 250/604/778. This information was used by the CNA to determine the PED for NPA 250/604/778. When an NPA is projected to exhaust within a 72-month time period, the CNA initiates NPA Relief Planning for that NPA with the objective of implementing relief 12 to 18 months in advance of the then PED. Over time, the PED may change as the forecast requirement for CO Codes and telephone numbers changes in response to customer demand for existing and new telecommunications services and the requirements of existing and new TSPs.

The rapidly growing demand for CO Codes due to wireless expansion and future new services in a few specific Exchange Areas is exhausting the number of CO Codes available for assignment in NPA 250/604/778. The January 2011 R-NRUF result indicates that the majority of the projected growth in NPA 250/604/778 is limited to about 42 Exchange Areas out of the total of 314 Exchange Areas. In the remaining NPA 250/604/778 Exchange Areas there is virtually no projected growth. See Annex A, Figure 2, for diagrams of the affected area showing major cities.

It is very important to closely monitor the expansion plans of all existing and emerging TSPs to ensure that relief is provided in advance of exhaust so that CO Codes and telephone numbers

are always available for TSPs and their customers, and to avoid creation of a Jeopardy Condition with the associated need to implement Special Conservation Procedures in the area served by NPA 250/604/778. A Jeopardy Condition exists when the forecast and/or actual demand for CO Codes exceeds the quantity of CO Codes available for assignment within the NPA before it is expected that relief can be implemented.

The purpose of identifying Relief Options, and the objective of the NPA Relief Planning process, is to ensure that CO Codes and telephone numbers are always available for use by TSPs and their customers in the geographic area requiring relief.

Given the magnitude of this undertaking, inter-company commitment and co-operation are essential throughout the planning, provisioning and implementation stages of the relief.

On 28 February 2011, the CNA issued the Initial Planning Document (IPD) for NPA 250/604/778, which was revised on 7 April 2011. This Planning Document (PD) was subsequently developed by the RPC in accordance with Telecom Notice of Consultation CRTC 2010-815 and the CRTC-approved Canadian NPA Relief Planning Guideline (the Guideline) dated 2 June 2009. A copy of the Guideline is available from the CRTC CISC guidelines web page at <http://www.crtc.gc.ca/cisc/eng/cisf3fg.htm> or via a link from the CNA website at <http://www.cnac.ca>.

## 2. NPA RELIEF PLANNING PROCESS

The NPA Relief Planning process, and the roles of the participants (e.g., CRTC, CNA, CRTC Interconnection Steering Committee (CISC), RPC participants, Interested Parties) for NPA Relief Planning are identified in the CRTC-approved Canadian NPA Relief Planning Guideline (the Guideline), dated 2 June 2009.

A copy of the Guideline is available from the CRTC CISC CSCN guidelines web page at <http://www.crtc.gc.ca/cisc/eng/cisf3fg.htm> or via a link from the CNA website at <http://www.cnac.ca>.

To increase public awareness and participation in the NPA Relief Planning process, the CRTC has determined that NPA Relief Planning Committees (RPCs) will be established as ad hoc committees of the CISC. Generally, a separate ad hoc committee is created to deal with relief in each area code. The CNA, in its function as NPA Relief Planning Coordinator, acts as chair of these ad hoc committees. Meetings and conference calls of the ad hoc NPA RPCs are all open to public participation and are conducted in accordance with the CISC Administrative Guidelines.

A copy of the CISC Administrative Guidelines can be obtained from the CRTC website at <http://www.crtc.gc.ca/public/cisc/c-docs/CISC2001-03-31.doc>.

NPA Relief Planning is conducted under the regulatory oversight of the CRTC. Notwithstanding the process detailed in the Guideline, the CRTC may exercise its authority under the Telecommunications Act to alter this process at any time. The CRTC has the authority under the Telecommunications Act to review, modify and give final approval to the Planning Document (PD) and the Relief Implementation Plan (RIP) developed and submitted by the RPC to the CRTC via the CISC process.

Section 6.1.6 of the Canadian NPA Relief Planning Guideline requires the CNA to create and maintain a distribution list of parties who may be interested in participating in the RPC and to provide them with advance notice of the initial RPC meeting and the IPD.

Any person wishing to participate in the NPA Relief Planning process can contact the CNA and request to be added to the RPC distribution lists. In addition, individuals can also register with the CRTC as interested parties to any proceedings that result from the NPA Relief Planning process. More information on how to participate in CRTC public processes is available at: [http://www.crtc.gc.ca/eng/info\\_sht/g4.htm](http://www.crtc.gc.ca/eng/info_sht/g4.htm).

A summary of Canadian geographic area code relief history is available at: [www.cnac.ca/npa\\_codes/NPA\\_History.pdf](http://www.cnac.ca/npa_codes/NPA_History.pdf).

### 3. NPA RELIEF METHODS

The three basic NPA Relief Methods (i.e., geographic split, overlay and boundary realignment) are described in detail in section 5.0 of the Canadian NPA Relief Planning Guideline. The purpose of this section is to identify and briefly describe those methods. For additional details refer to the Guideline at: <http://www.crtc.gc.ca/cisc/eng/cisf3fg.htm>.

The term Numbering Plan Area (NPA) refers to a discrete geographic area, within the area served by the North American Numbering Plan (NANP), to which one or more NPA Codes (also known as area codes) may be assigned (e.g., the city of Toronto is a Numbering Plan Area (NPA) to which NPA Codes 416- and 647 are assigned).

Once the necessity for NPA Code relief is established, all NPA Code relief methods are considered for potential application in the exhausting NPA; however, some of them may not be considered in detail because they are not appropriate or practical for the given circumstances in that NPA.

#### **Split:**

Under the geographic split method, the geographic area served by an existing NPA is generally divided or "split" into two or more unique geographic areas (i.e., two or more new Numbering Plan Areas or NPAs). One of the areas retains the existing NPA Code, and the other area(s) changes to a new NPA Code(s).

#### **Overlay:**

Under the overlay method, a relief NPA Code is generally superimposed or "overlaid" on top of part or all of an existing NPA. With overlays, changes to existing customers' telephone numbers are not required. Four types of overlays are described in the Guideline as follows. Under the distributed overlay method, a new relief NPA Code is "overlaid" on top of all of an exhausting NPA. Under a concentrated overlay method, a new relief NPA Code is "overlaid" on top of part of an exhausting NPA (e.g., over a fast growing metropolitan area within an existing NPA). Under a boundary extension overlay method, the boundary of an existing NPA that has spare capacity is extended to overlay part or all of an exhausting NPA. Under a technology-specific overlay, a new NPA Code would be assigned to overlay an exhausting NPA and the numbering resources in the new NPA Code would be used only for a specific type of technology (e.g., wireline telephones, wireless telephones, facsimile).

#### **Boundary Realignment:**

Under the boundary realignment method, the boundary between the NPA that requires relief and an adjacent NPA are modified such that some of the customers in the exhausting NPA have their telephone numbers changed by being given telephone numbers in a different NPA Code in the adjacent NPA.

#### 4. NPA EXHAUST INFORMATION

As indicated in the following table, NRUFs for NPA 250/604/778 were used to determine Projected Exhaust Dates, i.e. the dates when CO Codes in NPA 250/604/778 would be expected to exhaust.

NRUF	Projected Exhaust Date
G-NRUF January 2009	December 2019
G-NRUF January 2010	July 2016
R - NRUF June 2010	August 2016
R - NRUF June 2010, adjusted per Telecom Notice of Consultation CRTC 2010-815 directive to set aside 7 CO Codes for initial code assignments for Carriers already providing service, and 10 for initial code assignments for new entrants	June 2016
R - NRUF January 2011, adjusted per Telecom Notice of Consultation CRTC 2010-815 directive to set aside 7 CO Codes for initial code assignments for Carriers already providing service, and 10 for initial code assignments for new entrants	November 2014

Refer to Annex A, Figures 4, 5, 6 and 7 for graphs of forecasted CO Codes and charts of Miscellaneous and LEC + WSP CO Codes in area code 250/604/778.

NPA 250/604/778 contains 314 Exchange Areas. A list of the Exchange Areas is provided in Annex B.

## 5. RELIEF OPTIONS

The basic NPA Relief Methods described in section 3 are the geographic split, the overlay, and the boundary realignment. All such Relief Methods were considered for potential relief of NPA 250/604/778; however, since 10-digit local dialling already exists in NPA 250/604/778, certain Relief Methods were considered to be inappropriate or impractical and were therefore not given detailed assessment for the reasons noted below.

The Relief Methods that are not examined in detail in this PD are:

- Geographic split - not examined in detail since 10-digit local dialling is already in effect in British Columbia and customers in some areas would have to go through a number change under any of the split options. A split could allow reintroduction of permissive 7-digit local dialling however this would provide little or no benefit and would cause customers, Carriers and TSPs to incur additional costs after already having incurred costs to change to mandatory 10-digit local dialling. It would also be inconsistent with the industry migration towards the Uniform Dialling Plan (i.e., 10-digit local and toll dialling).
- Technology-specific overlay - not examined in detail because assigning NPA Codes to specific types of technology such as wireline and wireless services has not been possible since wireless number portability came into effect.

Based on the basic Relief Methods described in section 3, the following two methods comprising eight Relief Options are identified and have been examined in detail:

- Concentrated Overlay – 5 options (Options 1, 2, 3, 4 and 5)
- Distributed Overlay – 2 options (Options 6 and 7)
- Boundary Realignment/Concentrated Overlay – 1 option (Option 8)

The Relief Options identified above were evaluated using the following assumptions:

- The Relief Date for the distributed overlay options will be 2Q 2013 (18 months prior to the NPA 250/604/778 PED of November 2014 identified using the January 2011 R-NRUF results).
- The Relief Date for the five options that use the concentrated overlay and the boundary realignment will be 2Q 2012 (30 months prior to the NPA 250/604/778 PED of November 2014 identified using the January 2011 R-NRUF results). This length of time is required to ensure that a sufficient number of CO Codes remain available to provide for the future growth of the area served by NPA Code 778.
- The growth in demand for CO Codes in thirteen of the fourteen Exchange Areas served by NorthwTel in northern British Columbia will be met using the three CO codes from NPA Code 250 that were reserved by the CRTC for NorthwTel's future growth requirements.

See Annex A, Figures 8 through 15 for diagrams of the Relief Options identified by the CNA.

## **5.1. Concentrated Overlay**

Existing physical features do not easily lend themselves for use as boundaries to split NPA 250/604/778. Under the concentrated overlay Relief Options NPAs 604 and 250 would retain their geographical identities since CO Codes from NPA Code 604 are assigned only in the Lower Mainland of BC and CO Codes from NPA Code 250 are only assigned in the remainder of BC. NPA 778 CO Codes would continue to be available throughout British Columbia. The concentrated overlay Relief Options retain the geographical identities of both the NPA 250 and NPA 604 areas.

Five different concentrated overlay Options were evaluated to introduce the new NPA in the NPA 250/604/778 area.

The main advantage of introducing any overlay method is that telephone number changes are not necessary in the area where relief is required. However, introduction of a concentrated overlay NPA would create an additional NPA Relief Planning area in British Columbia.

Relief for all concentrated overlay options would be provided in 2Q 2012 (30 months prior to the PED).

### **5.1.1. Concentrated Overlays of New NPA Code 236 on NPA 250 and 1 additional New NPA Code on NPA 604 (remaining CO Codes in NPA Code 778 would continue to be assigned throughout BC) (Option 1):**

This Relief Option would overlay new NPA Code 236 over the 272 Exchange Areas in NPA 250 in British Columbia outside the Lower Mainland area, plus an additional new NPA Code over the 43 Exchange Areas in NPA 604 serving the Lower Mainland.

With this overlay, the geographic area served by NPA Codes 604, 778 and the New NPA Code would be expected to exhaust in 4Q 2026 and the geographic area served by NPA Code 250, 778 and the new NPA Code 236 would be expected to exhaust in 4Q 2031.

This option would increase the number of separate NPA Relief Planning areas in BC from one to two; currently requiring two new NPA Codes and one additional new NPA Code within the next 20-year period.

### **5.1.2. Concentrated Overlays of New NPA Code 236 on NPA 250 and 1 additional New NPA Code on NPA 604 (remaining CO Codes in NPA 778 would only be assigned in the area served by NPA Code 604) (Option 2):**

This Relief Option would overlay one new NPA over the 43 Exchange Areas comprising the Lower Mainland NPA 604 area and new NPA Code 236 over the remaining 272 Exchange Areas located in the remainder of British Columbia. The remaining CO Codes available for assignment from NPA Code 778 would only be assigned in the NPA 604 area.

With this overlay, the geographic area served by NPA Codes 604, 778 and the New NPA Code would be expected to exhaust in 3Q 2027 and the geographic area served by NPA Codes 250, 778 and the new NPA Code 236 would be expected to exhaust in 4Q 2030.

This option would increase the number of separate NPA Relief Planning areas in BC from one to two; currently requiring two new NPA Codes and one additional new NPA Code within the next 20-year period.

**5.1.3. Concentrated Overlays of New NPA Code 236 on NPA 250 and 1 additional New NPA Code on NPA 604 (remaining CO Codes in NPA 778 would only be assigned in the area served by NPA Code 250) (Option 3):**

This Relief Option would overlay one new NPA over the 43 Exchange Areas comprising the Lower Mainland NPA 604 area and new NPA Code 236 over the remaining 272 Exchange Areas located in the remainder of BC. The remaining CO Codes available for assignment from NPA Code 778 would only be assigned in the NPA 250 area.

With this overlay, the geographic area served by NPA Codes 604, - 778 and the New NPA Code would be expected to exhaust in 1Q 2026 and the geographic area served by NPA Codes 250, 778 and the New NPA Code 236 would be expected to exhaust in 1Q 2033.

This option would increase the number of separate NPA Relief Planning areas in BC from one to two; currently requiring two new NPA Codes and one additional new NPA Code within the next 20-year period.

**5.1.4. Concentrated Overlay of New NPA Code 236 on both NPA 604 Lower Mainland, and NPA 250 Vancouver Island Exchange Areas only (remaining CO Codes in NPA 778 would only be assigned in remainder of BC) (Option 4):**

This Relief Option would overlay the new NPA Code 236 over 99 Exchange Areas comprising the 43 Exchange Areas of the Lower Mainland and 56 Exchange Areas on Vancouver Island. The remaining 215 Exchange Areas in the remainder of BC would continue to grow using the remaining CO Codes available for assignment from NPA Code 778.

With this overlay option, the 99 Exchange Areas in NPA 604 Lower Mainland and NPA 250 Vancouver Island served by NPA Codes 604, 250, 778 and the new NPA Code 236 would be expected to exhaust in 2Q 2022. The 218 Exchange Areas in the remainder of BC served by NPA Codes 250 and 778 would be expected to exhaust in 3Q 2019.

This option increases the number of separate NPA Relief Planning areas in BC from one to two; currently requiring one new NPA Code and two additional new NPA Codes within the next 20-year period.

**5.1.5. Concentrated Overlay of New NPA Code 236 on NPA 604 (remaining CO Codes in NPA 778 would only be assigned in area served by NPA Code 250) (Option 5):**

This Relief Option would overlay the new NPA Code 236 over the 43 Exchange Areas comprising the Lower Mainland served by NPA Code 604. The remaining 272 Exchange Areas located in the remainder of BC would continue to grow using the remaining CO Codes available for assignment from NPA Code 778.

With this overlay, the geographic area served by NPA Codes 250 and 778 would be expected to exhaust in 4Q 2019 and the geographic area served by NPA Codes 604, 778 and 236 would be expected to exhaust in 1Q 2025.

This option increases the number of separate NPA Relief Planning areas in BC from one to two; currently requiring one new NPA Code and two additional new NPA Codes within the next 20-year period.

## **5.2. Distributed Overlay**

Two distributed overlay Relief Options were evaluated to provide CO Code relief in the NPA 250/604/778 geographical area.

### **5.2.1. Distributed Overlay of two New NPA Codes (i.e. 236 and 1 additional) New on NPA 250/604/778 (Option 6):**

This Relief Option would overlay New NPA Code 236 and 1 additional New NPA Code over the 314 Exchange Areas in British Columbia (i.e., two province-wide overlay NPA Codes). For number resource conservation purposes, it is proposed that CO Codes in NPA 236 be made available for assignment on the Relief Date and that CO Codes in the additional new NPA Code only be made available for assignment by the CNA when 90% of the assignable CO Codes in NPA 236 have been assigned.

With this overlay, the entire province of BC served by NPA Codes 250, 604, 778, 236 and 1 additional New NPA would be expected to exhaust in 1Q 2029.

This option retains the single NPA Relief Planning area in BC. Currently, two new NPA Codes would be required and one additional new NPA Code would be required within the next 20-year period.

### **5.2.2. Distributed Overlay of one New NPA Code (236) on NPA 250/604/778 (Option 7):**

This Relief Option would overlay the new NPA Code 236 over the 314 Exchange Areas comprising British Columbia (i.e., one province-wide overlay NPA Code).

With this overlay, entire province of BC served by NPA Codes 250, 604, 778 and 236 would be expected to exhaust in 1Q 2021.

This option retains the single NPA Relief Planning area in BC. Currently, one new NPA Code would be required and two additional new NPA Codes would be required within the next 20-year period.

### **5.3. Boundary Realignment**

#### **5.3.1. Boundary Realignment of NPA 778 to NPA 250 Exchange Areas and Concentrated Overlay of New NPA Code 236 on NPA 604 Lower Mainland Exchange Areas only (Option 8):**

This Relief Option would realign the boundaries of NPA 778 to be the same as the NPA 250 area. This option would also overlay the new NPA Code 236 on the 43 Exchange Areas comprising NPA 604.

Customers with NPA Code 778 numbers assigned in the 43 Exchange Areas in the Lower Mainland would be required to change their numbers.

With this option NPA Code 778 and the new NPA Code 236 would be expected to exhaust in 4Q 2023 and 1Q 2020 respectively.

This option increases the number of separate NPA Relief Planning areas in BC from one to two; currently requiring one new NPA Code and two additional new NPA Codes within the next 20-year period.

## 6. SUMMARY OF RELIEF OPTIONS

The following table summarizes alternative options:

Option	Description	Exhaust Dates			Relief - Timing & Type		C O Codes Affected by Number changes	Local Dial # D
		NPA 778	NPA 236	NEW NPA	Dates (area) [for the next relief only]	Type		
1	Concentrated Overlays of New NPA Code 236 on NPA 250 and 1 additional New NPA Code on NPA 604, (remaining CO Codes in NPA Code 778 would continue to be assigned throughout BC)	2014	2031	2026	<b>2013</b> (778) <b>2025</b> (NEW) <b>2030</b> (236)	0 0 0	Nil Nil Nil	10 10 10
2	Concentrated Overlays of New NPA Code 236 on NPA 250 and 1 additional New NPA Code on NPA 604 (remaining CO Codes in NPA 778 would only be assigned in the area served by NPA Code 604)	2014	2030	2027	<b>2013</b> (778) <b>2029</b> (236) <b>2026</b> (NEW)	0 0 0	Nil Nil Nil	10 10 10
3	Concentrated Overlays of New NPA Code 236 on NPA 250 and 1 additional New NPA Code on NPA 604, (remaining CO Codes in NPA Code 778 would only be assigned in the area served by NPA Code 250)	2014	2033	2026	<b>2013</b> (778) <b>2025</b> (NEW) <b>2032</b> (236)	0 0 0	Nil Nil Nil	10 10 10
4	Concentrated Overlay of New NPA Code 236 on both NPA 604 Lower Mainland, and NPA 250 Vancouver Island Exchange Areas only (remaining CO Codes in NPA 778 would only be assigned in remainder of BC)	2014 2019	2022		<b>2013</b> (778) <b>2018</b> (778) <b>2021</b> (236)	0 0 0	Nil Nil Nil	10 10 10
5	Concentrated Overlay of New NPA Code 236 on NPA 604 (remaining CO Codes in NPA 778 would only be assigned in area served by NPA Code 250)	2014 2019	2025		<b>2013</b> (778) <b>2018</b> (778) <b>2024</b> (236)	0 0 0	Nil Nil Nil	10 10 10
6	Distributed Overlay of two New NPA Codes (i.e. 236 and 1 additional) on NPA 250/604/778	2014	2029	2029	<b>2013</b> (778) <b>2028</b> (236+ NEW+250+604 + 778)	0 0	Nil Nil	10 10
7	Distributed Overlay of one New NPA Code (236) on NPA 250/604/778	2014	2021		<b>2013</b> (778) <b>2020</b> (236+ 250+604+778)	0 0	Nil Nil	10 10

Option	Description	Exhaust Dates			Relief - Timing & Type		C O Codes Affected by Number changes	Local Dial # D
		NPA 778	NPA 236	NEW NPA	Dates (area) [for the next relief only]	Type		
8	Boundary Realignment of NPA 778 to NPA 250 Exchange Areas and Concentrated Overlay of New NPA Code 236 on NPA 604 Lower Mainland Exchange Areas only	2014  2023	2020		<b>2013</b> (778)  <b>2019</b> (236) <b>2022</b> (778)	Bdy rign O O	325 Nil Nil	10 10 10
Key	D = Digit, Bold = Dates of new NPAs, Bdy rign = Boundary realignment, O = Overlay,							

## 7. ASSESSMENT OF RELIEF OPTIONS CONSIDERED BY THE RELIEF PLANNING COMMITTEE

The RPC evaluated the Relief Options identified in sections 5 and 6 of this document. A Pro, Neutral or Con (P, N or C) rating was established for each Relief Option for each of the following attributes. The results will be listed in the table below the list of attributes.

- A. NPA Code Conservation – quantity of new NPA Codes required in NPA 250/604/778 within the next 20 years after NPA relief is implemented (i.e., 2013-2033) (P = 2 or fewer new NPA Codes; N = 3 new NPA Codes; C = 4 or more new NPA Codes)
- B. Number of separate NPA Relief Planning areas in British Columbia in the long term (P = decrease; N = stays same; C = increase)
- C. Level of Carrier Costs – e.g., including implementation, customer awareness (P = Low; N = Medium; C = High)
- D. Time required to implement relief, i.e., time between the CRTC's Decision date and the date when CO Codes in the new/relief NPA Code can be activated (P = shortest; N = same; C = longest)
- E. Utilization of NANPA resources (NPAs) - the total number of NPAs required for initial and subsequent relief activities over the next 20 years (P = 1 NPA; N = 2 NPAs; C = 3 NPAs)
- F. Established Geographic Identities – changes in boundaries of existing NPAs (P = none; C = 1 or more existing NPAs affected)
- G. New Geographic Identities – boundaries of new NPA align with boundaries of known areas (e.g., existing NPA, provinces) or identifiable geographical features (e.g., rivers, islands) (P = aligns with existing NPA boundaries; N = aligns with geographical features but not with existing NPA boundaries; C = aligns with neither existing NPA boundaries, nor identifiable geographical features)
- H. Potential maximum quantity of NPA Codes in an Exchange Area in the next 20 years (P = 3 or fewer NPA Codes; N = 4 NPA Codes; C = 5 or more NPA Codes)
- I. Does the relief NPA Code cover a single existing NPA? (P = Yes; C = No)
- J. Reprogram Mobile Phones – requirement to reprogram wireless devices to accommodate the number changes (P = low; N = medium; C = high)
- K. Does the option consider the potential direction for future reliefs in British Columbia? (P = Yes; C = No)

Relief Option		Pro, Neutral or Con for Each Attribute											Rating
#	Description	A	B	C	D	E	F	G	H	I	J	K	
1	Concentrated Overlays of New NPA Code 236 on NPA 250 and 1 additional New NPA Code on NPA 604, (remaining CO Codes in NPA Code 778 would continue to be assigned throughout BC)	P	C	N	N	C	P	P	N	C	P	P	2

Relief Option		Pro, Neutral or Con for Each Attribute											Rating
#	Description	A	B	C	D	E	F	G	H	I	J	K	
2	Concentrated Overlays of New NPA Code 236 on NPA 250 and 1 additional New NPA Code on NPA 604 (remaining CO Codes in NPA 778 would only be assigned in the area served by NPA Code 604)	P	C	N	N	C	P	P	N	C	P	P	2
3	Concentrated Overlays of New NPA Code 236 on NPA 250 and 1 additional New NPA Code on NPA 604, (remaining CO Codes in NPA Code 778 would only be assigned in the area served by NPA Code 250)	P	C	N	N	C	P	P	N	C	P	P	2
4	Concentrated Overlay of New NPA Code 236 on both NPA 604 Lower Mainland, and NPA 250 Vancouver Island Exchange Areas only (remaining CO Codes in NPA 778 would only be assigned in remainder of BC)	P	C	N	N	C	P	P	N	C	P	P	2
5	Concentrated Overlay of New NPA Code 236 on NPA 604 (remaining CO Codes in NPA 778 would only be assigned in area served by NPA Code 250)	P	C	N	N	C	P	P	N	C	P	P	2
6	Distributed Overlay of two New NPA Codes (i.e. 236 and 1 additional) on NPA 250/604/778	P	N	P	P	C	P	P	N	C	P	P	5
7	Distributed Overlay of one New NPA Code (236) on NPA 250/604/778	P	N	P	P	C	P	P	N	C	P	P	5
8	Boundary Realignment of NPA 778 to NPA 250 Exchange Areas and Concentrated Overlay of New NPA Code 236 on NPA 604 Lower Mainland Exchange Areas only	P	C	C	C	C	C	P	N	C	C	P	-4

If P, N and C are assigned a weighting of +1, 0 and -1, respectively, then analysis of the above table gives the highest rating of 5 points to Options 6 and 7, and the next highest rating of 2 points to Options 1-5 -4points to plan 8. Options 6 and 7 are tied and are superior when assessed using the above criteria.

Options 6 and 7 are equal if the initial and subsequent relief activities are taken into consideration over the next twenty years from an NANPA resource (NPA) use point of view. Option 6 requires two NPAs to be implemented initially, whereas Option 7 requires only one NPA to be implemented initially and a second relief implementation in 8 years after initial relief. Both Options 6 and 7 require further relief in 2029. Both Options 6 and 7 require a total of three NPAs to be implemented between now and 2029.

The points that differentiate Options 6 and 7 are that simultaneous implementation of two NPA Codes in a distributed overlay is more cost effective for some Carriers and it is viewed by some Carriers that Option 6 provides more certainty for future activities. Some Carriers view that, due to the fluidity of numbering requirements across Canada, it is questionable whether the assignment of two NPA Codes (Option 6) offers the flexibility that may be required in the future.

The RPC discussed 8 Relief Options identified in the PD and agreed with the following assessment:

- The RPC views the two distributed overlay options as preferred methods over all other identified options for providing relief in British Columbia.
- The RPC views the distributed overlay options as preferable to all of the concentrated overlay options because they would retain a single Number Plan Area for British Columbia instead of reverting back to two Numbering Plan Areas that would require potentially separate relief planning activities in the future. In addition, the distributed overlay options would maintain the province-wide coverage area for new NPA Codes for which NPA 778 established a precedent. Customers in British Columbia have become accustomed to this new province-wide approach and reversion to two NPA coverage areas would be a retrograde step in this evolution.
- The RPC views the distributed overlay options as preferable to the boundary realignment option because they would not require telephone number changes that would inconvenience many customers in the NPA 604 Lower Mainland Exchange Areas who were assigned numbers in NPA 778. In addition, the distributed overlay options would cost Carriers and customers less to implement. Some Carriers believe overlays are more convenient for customers and less expensive for business customers as they would not be required to change their advertising, stationery, etc. as no number changes would be required. Costs for TSPs would be lower for an overlay due to avoidance of the need to reprogram wireless telephones, and lower costs to change back-office support and billing systems, etc.
- The RPC was not able to agree on the type of distributed overlay option to choose. Bell Canada and TELUS favour Option 6 which involves a distributed overlay involving two NPAs. Rogers Communications favours Option 7 which involves a distributed overlay of only a single NPA at this time due to the fluidity of the telecommunications market. Rogers Communications does not object to setting aside another NPA for future use, but is not prepared to support implementing two relief NPAs at the same time.

## **8. DIALLING CHANGES FOR LOCAL CALLS**

Currently 10-digit dialling is mandatory for local calls originating within area code 250/604/778. Local dialling plans will not change when NPA 250/604/778 relief is implemented.

NPA relief will not affect the dialling plan for long-distance calls originating in NPA 250/604/778 or any other NPA. No local calling will become long-distance and no long-distance calling will become local as a result of NPA relief.

## **9. CO CODES FOR INITIAL CODE ASSIGNMENTS AND CO CODES FOR INITIAL CODE ASSIGNMENTS FOR NEW ENTRANTS ONLY**

In Telecom Notice of Consultation CRTC 2010-815, the CRTC stated in item 7 that: "In developing its recommendations, the 250, 604, and 778 RPC is directed to set aside, at a minimum, 7 central office codes for initial code assignments from area code 778 for carriers already providing service in the areas served by area codes 250, 604, and 778, and 10 central office codes from area code 778 for initial code assignments exclusively for new entrants".

Accordingly the CNA has set aside 7 CO Codes for initial code assignments for Carriers already providing service in the NPA 250/604/778 area, and 10 CO Codes for initial code assignments for new entrants only from area code 778.

If the CRTC-approved Relief Method is an overlay, then these quantities of set-aside CO Codes would become available for assignment as specified above during the two-year time period after implementation of the overlay. Any set-aside CO Codes remaining unassigned at the end of the two-year time period would be returned to the general pool of assignable CO Codes.

If the CRTC-approved Relief Method is a boundary realignment concentrated overlay, the set-aside CO Codes would become available for initial code assignments when the general pool of assignable CO Codes exhausts prior to relief.

If a Jeopardy Condition is declared, then the Jeopardy Contingency Plan stipulates that all set aside CO Codes be made available for general assignment prior to relief.

## 10. PROPOSED SCHEDULE

The RPC submits the following schedule for NPA 250/604/778 relief based on the recommendations contained in this Planning Document and the current Projected Exhaust Date (PED) of June 2016. The RPC will monitor the PED, and if it changes significantly in the future (e.g., is advanced or delayed by greater than 6 months), the RPC will assess the situation and, if necessary, submit recommendations including a revised schedule to the CRTC for consideration and approval.

### RELIEF IMPLEMENTATION SCHEDULE For a Distributed Overlay of new NPA over NPAs 250/604/778

Item	Task or Event	PRIME	START	END
1	CNA identifies NPA exhaust and notifies by e-mail CRTC staff, CSCN, NANPA & CISC that the NPA will exhaust within the future six year time period	CNA		25-Mar-10
2	CNA conducts first R-NRUF (June 2010 R-NRUF)		15-Jun-10	13-Sep-10
3	CRTC issues Telecom Notice of Consultation regarding RPC Ad Hoc CISC and Interested Parties list	CRTC		03-Nov-10
4	CNA develops and distributes IPD to RPC		13-Sep-10	28-Feb-11
5	RPC participants review IPD & submit contributions to RPC	RPC	28-Feb-11	16-Apr-11
6	CNA chairs initial RPC meeting to start development of PD, RIP & PL, & schedules future meetings/conference calls including creation & consultation with CATF and NITF	CNA RPC	19-Apr-11	20-Apr-11
7	CNA chairs subsequent RPC meetings/conference calls to finalize PD & RIP	CNA RPC	20-Apr-11	11-Aug-11
8	Special Types of Telecommunications Service Users (911 PSAPs, alarm companies, ISPs, paging companies, etc.) to identify any concerns to RPC & CRTC	Special Users		11-Aug-11
9	CNA forwards Planning Document (PD) and, possibly, RIP to the CISC and CRTC for approval	CNA		18-Aug-11
10	CRTC issues Telecom Decision approving the Relief Method, Relief Date, New NPA & Relief Implementation Plan (RIP)	CRTC		17-Oct-11
11	Task Forces, TSPs and users implement relief (starts upon CRTC approval of RIP and ends on Relief Date)	TSPs	17-Oct-11	01-Jun-13
12	All Telecom Service Providers (TSPs) to develop and file individual consumer awareness programs with the CRTC (may be done collectively by Telecommunications Alliance) (starts upon CRTC approval of RIP and should be completed at least 18 months prior to the Relief Date)	TSPs	17-Oct-11	01-Dec-11
13	CNA issues media release (in coordination with Telecommunications Alliance) (may start upon CRTC approval of RIP and should be issued at least 18 months prior to the Relief Date)	CNA		01-Dec-11

Item	Task or Event	PRIME	START	END
14	CNA submits PL and RIP to NANPA (should be submitted at least 18 months prior to the Relief Date)	CNA		17-Oct-11
15	NANPA receives and posts Planning Letter to NANPA website (within 2 weeks of receipt from the CNA)	NANPA	17-Oct-11	31-Oct-11
16	Task Forces, TSPs and users implement relief (starts upon CRTC approval of RIP and ends on the Relief Date)	Task Forces, TSPs & Users	17-Oct-11	01-Jun-13
17	All TSPs implement consumer awareness activities (starts upon filing of Consumer Awareness Programs with the CRTC and is completed on the Relief Date)	TSPs	01-Dec-11	01-Jun-13
18	All TSPs to notify all customers (including residence, business & special customers) of the new overlay NPA (may start upon the filing of Consumer Awareness Programs with the CRTC and all customers should be notified by at least 15 months prior to the Relief Date)	TSPs	01-Dec-11	30-Jan-12
19	TSPs to submit Progress Report #1 to NITF and CATF (starts after completion date for all TSPs to notify their customers and requires 2 weeks)	TSPs	30-Jan-12	13-Feb-12
20	NITF and CATF develop & submit Progress Report #1 to RPC (linked to TSP reports to NITF and CATF)	NITF & CATF	13-Feb-12	27-Feb-12
21	RPC submits Progress Report #1 to CISC/CRTC (linked to NITF and CATF reports)	RPC	27-Feb-12	12-Mar-12
22	Telcordia TRA database updates to add Exchanges to new overlay NPA (starts on the date that the PL is posted to the NANPA web site and must be completed by 6 months prior to the Relief Date)	Telcordia TRA	31-Oct-11	30-Nov-12
23	All Telecommunications Service Users (including Special Users 911 PSAPs, alarm companies, ISPs, paging companies, etc.) to implement changes to their telecom equipment & systems to accommodate the new NPA (starts upon CRTC approval of RIP and ends on the Relief Date)	Telecom Service Users	17-Oct-11	01-Jun-13
24	Payphone Providers Reprogram Payphones (starts upon CRTC approval of RIP and ends on the Relief Date)	Payphone Providers	17-Oct-11	01-Jun-13
25	TSPs and database owners/operators to modify systems and industry databases (starts upon CRTC approval of RIP and ends on the Relief Date)	TSPs & Database Owners	17-Oct-11	01-Jun-13
26	Operator Services & Directory Assistance Readiness (starts upon CRTC approval of RIP and ends on the Relief Date)	TSPs	17-Oct-11	01-Jun-13
27	Directory Publisher Readiness for overlays (ability to identify the NPA in telephone numbers in the directory published after the Overlay NPA is activated) (starts upon CRTC approval of RIP and ends on the Relief Date)	Directory Publishers	17-Oct-11	01-Jun-13
28	9-1-1 PSAP Systems and Databases Readiness (starts upon CRTC approval of RIP and ends on the Relief Date)	PSAPS & TSPs	17-Oct-11	01-Jun-13
29	9-1-1 TSP Readiness (starts upon CRTC approval of RIP and ends on the Relief Date)	TSPs	17-Oct-11	01-Jun-13

Item	Task or Event	PRIME	START	END
30	ISCP & Service Order Systems Readiness (starts upon CRTC approval of RIP and ends on the Relief Date)	TSPs	17-Oct-11	01-Jun-13
31	International Gateway Switch Translations Readiness for new NPA (starts upon CRTC approval of RIP and ends on the Relief Date)	Int'l TSPs	17-Oct-11	01-Jun-13
32	Canadian Local Number Portability Consortium (CLNPC) Database Readiness for new NPA (starts upon CRTC approval of RIP and ends on the Relief Date)	CLNPC & NPAC	17-Oct-11	01-Jun-13
33	Toll Free SMS Database Readiness for new NPA (starts upon CRTC approval of RIP and ends on the Relief Date)	Toll TSPs	17-Oct-11	01-Jun-13
34	ISCP & Service Order Systems Readiness (starts upon CRTC approval of RIP and ends on the Relief Date)	TSPs	17-Oct-11	01-Jun-13
35	TSPs apply for Test CO Codes in new NPA (applications may be submitted no more than 6 months and no less than 66 days prior to the start date for the Inter-Carrier Testing Period) (Section 7.16.4 Canadian RP GL)	TSPs	01-Sep-12	27-Dec-12
36	Develop Inter-Carrier Network Test Plans and prepare for testing (individual TSPs to make arrangements in accordance with interconnection agreements) (may start upon CRTC approval of RIP and must be completed by start date for the Inter-Carrier Testing Period)	NITF & TSPs	17-Oct-11	03-Mar-13
37	All international and domestic Telecommunications Service Providers (TSPs) must activate the new NPA in their networks by the start date for the Inter-Carrier Testing Period	TSPs		03-Mar-13
38	Activation date for Overlay NPA Test CO Codes and Test Numbers in network (should be completed by the start date for the Inter-Carrier Testing Period)	TSPs		03-Mar-13
39	Inter-Carrier Testing Period (subject to Inter-Carrier Network Test Plans) (starts about 3 months prior to the Relief Date, and ends about 1 month after the Relief Date)	NITF & TSPs	03-Mar-13	01-Jul-13
40	TSPs to submit Progress Report #2 to NITF and CATF (starts on commencement of Inter-Carrier Testing Period)	TSPs	03-Mar-13	17-Mar-13
41	NITF and CATF develop & submit Progress Report #2 to RPC (linked to TSP reports to NITF and CATF)	NITF & CATF	17-Mar-13	31-Mar-13
42	RPC submits Progress Report #2 to CISC/CRTC (linked to NITF and CATF reports)	RPC	31-Mar-13	14-Apr-13
43	Relief Date (earliest date when CO Codes in new NPA may be activated)			01-Jun-13
44	TSPs submit Final Report to CATF and NITF (starts on Relief Date and provides 2 weeks for preparation & submission)	TSPs	01-Jun-13	15-Jun-13
45	NITF and CATF develop & submit Final Progress Report to RPC (linked to TSP reports to NITF and CATF)	NITF & CATF	15-Jun-13	29-Jun-13
46	RPC submits Final Progress Report to CISC/CRTC (linked to NITF and CATF reports)	RPC	29-Jun-13	13-Jul-13

Item	Task or Event	PRIME	START	END
47	TSPs disconnect Test Codes & Numbers, and submit Part 1 form to return Test Codes (starts 1 month after Relief Date and allows 1 month for completion)	TSPs	01-Jul-13	31-Jul-13

## 11. JEOPARDY CONTINGENCY PLAN (JCP)

The Relief Planning Committee (RPC) has developed the following JCP for inclusion in the Planning Document (PD) for NPA 250/604/778. This JCP is based on the example contained in Appendix F to the Canadian NPA Relief Planning Guideline.

This JCP shall remain in effect until either the Jeopardy Condition is suspended or 66 days before the Relief Date.

During a Jeopardy Condition, CO Code Applicants shall submit all CO Code applications and related correspondence for the Jeopardy NPA to CRTC staff in addition to the CNA.

During a Jeopardy Condition, the CNA shall only assign CO Codes from the exhausting NPA to a CO Code Applicant upon approval of CRTC staff.

The following measures shall be implemented by all CO Code Holders in NPA 250/604/778 when this JCP is approved by the CRTC and while a Jeopardy Condition is in effect.

- 1) Carriers and/or Telecommunications Service Providers (TSPs):
  - a) shall age disconnected residential and wireless telephone numbers for a maximum of two months;
  - b) shall age disconnected business telephone numbers for a maximum of six months. Under special circumstances, the six month aging limit for business telephone numbers may be extended to twelve months if required to accommodate local directory publishing dates for high volume call-in applications (e.g., heavily advertised local business numbers such as radio talk shows, food ordering services, ticket sales, chat lines), or for numbers associated with public service emergency applications or for numbers advertised in directories for which customers have requested reference of calls;
  - c) shall return all CO Codes that are not being used nor intended to be used to directly serve customers to the assignment pool within two months (e.g., plant test codes);
  - d) should work towards, and encourage existing customers, to either activate or return the reserved numbers in order to bring the reserved quantity down to a maximum of 10% of the quantity of numbers In-Service for that customer;
  - e) shall not allow the quantity of reserved numbers to be increased by new reservation requests by existing customers to more than 10% of the quantity of numbers in service for that customer. In the case of new customers, number reservations shall be limited to 10% of the total quantity of telephone numbers being placed into service for that customer;
  - f) shall, within 45 days from the date that the CNA declares a Jeopardy Condition submit a Part 1 Form for each remaining reserved CO Code either returning the reserved CO Code to the CNA or requesting assignment of the reserved CO Code. Once the 45-day period has elapsed, the CNA shall make available for general assignment all CO Codes that are still reserved and have not been applied for as assignments on a Part 1 Form received by the CNA. Within 60 days from the date that the CNA declares a Jeopardy Condition, the CNA shall report to CRTC staff and the RPC as to how many of these codes have been assigned or made available for general assignment;

- g) shall not be permitted to obtain a new CO Code reservation;
  - h) shall place all CO Codes assigned prior to the Jeopardy Condition being declared In-Service within three months of the effective date for CO Code activation in the network, or within three months of the date that the Jeopardy Condition was declared. If the CO Code is an Initial Code and the CO Code Holder can demonstrate that, due to circumstances beyond its control, the In-Service date has been delayed beyond the applicable timeframe, and then the CNA may grant an extension of up to two months to the In-Service date. The CNA shall initiate reclamation procedures for all CO Codes that have not been placed In-Service within these timeframes unless CRTC staff approves a further extension.
- 2) For new applications for Initial Codes, each CO Code Holder shall certify that the CO Code will be activated in the network and placed In-Service within four months of the date of application for the Code. If the CNA does not receive a Part 4 Form within this timeframe, confirming that the CO Code has been placed In-Service, the CNA will initiate reclamation measures. If the CO Code Holder can demonstrate that, due to circumstances beyond its control, the In-Service date has been delayed not more than six months from the original application date, then the CNA may grant an extension to the In-Service date, so long as the In-Service date is not more than six months beyond the original application date. If the In-Service date has been delayed more than six months from the original application date, then the CNA shall reclaim the Code unless CRTC staff approves a further extension.
- 3) When applying for an Additional Code for Growth, a CO Code Holder who is submitting a Part 1 Form and Appendix B worksheet shall also submit a completed Supplementary Form for a Growth CO Code Application (attached) which certifies and/or provides the following information for the specific switching entity/POI and Exchange Area when the Growth CO Code is being requested in a Jeopardy Condition:
- a) certification that all held telephone numbers have been released;
  - b) certification that reserved numbers do not exceed ten percent of the total quantity of numbers as defined in Appendix G of the Canadian CO Code (NXX) Assignment Guideline;
  - c) certification that each reseller/dealer had been advised of the Jeopardy Condition and the requirement that they would only be allocated additional numbers during the Jeopardy Condition on the provision to the CO Code Holder of written confirmation that their number inventory has been reduced to an amount less than two times the highest quantity of customer numbers assigned in any month during the previous 12 months. Additional numbering resources will only be provided by the CO Code Holder to the reseller/dealer to the extent that the reseller's/dealer's inventory can only increase up to a maximum of three months' inventory;
  - d) confirmation that the Part 1 form submitted with the application has the Jeopardy Condition box in section 1.6 checked to certify that the existing CO Codes are projected to exhaust within 4 months of the date of application or within the period specified within an approved JCP, and that the months-to-exhaust is documented on an Appendix B submitted to the CNA;
  - e) a completed Telephone Number Utilization Report;
  - f) confirmation that the requested Growth CO Code was forecasted in the most recent NRUF or an explanation as to why it was not is attached; and
-

- g) confirmation that the requested Growth CO Code will be placed In-Service within four months of the date of assignment.
- 4) Any CO Codes for growth assigned after the implementation of this JCP must be activated in the network and placed In-Service within four months of assignment. In the event that a CO Code Holder is unable to place the CO Code In-Service within four months of the date of assignment, the CO Code Holder must submit a written request for extension to the CNA. Such written requests must include documentation explaining the reason(s) for the missed date and proposing the new In-Service date. If the explanation includes reasons beyond the control of the CO Code Holder, the CNA may extend the In-Service date a maximum of one month. If the CO Code Holder does not place the CO Code In-Service within the one-month extension, the CNA shall reclaim the CO Code immediately at the end of the one-month extension unless CRTC staff approves a further extension.
- 5) A Carrier that has multiple switching entities within an Exchange Area shall examine the possibility of, and implement where feasible, number sharing between those switches as a potential method to delay requirements for additional CO Codes.
- 6) The CNA will compare the initial J-NRUF input to the recent NRUF inputs, in order to assess forecasting trends. The CNA shall monitor all inputs and shall test them for reasonableness in consultation with the Carrier. If the CNA is dissatisfied with the reasonableness, or the rationale provided for the deviations, then the matter will be referred to the Commission.
- 7) The CNA will request subsequent J-NRUF input from all current and prospective CO Code Holders quarterly until 3 months before relief is provided. If one or more R-NRUFs have already been conducted, and depending on the severity of the Jeopardy Condition, the CNA may defer a J-NRUF by up to two months if such a deferral brings the timing of that J-NRUF and subsequent J-NRUFs into alignment with other NRUFs that are conducted at 12, 6 or 3 month intervals. Subsequent J-NRUF input will be compared with the initial J-NRUF input to evaluate the effectiveness of the JCP. The CNA shall monitor all J-NRUF inputs and shall test them for reasonableness in consultation with the Telecommunications Service Providers. If the CNA is dissatisfied with the reasonableness, or the rationale provided for the changed forecasts, then the matter will be referred to the Commission.
- 8) A CO Code Applicant must have submitted a completed J-NRUF to the CNA before the CNA may assign a CO Code to that CO Code Applicant.
- 9) When a CO Code Applicant requests more CO Codes than it identified in its most recent J-NRUF forecast, the CNA will discuss the matter with the CO Code Applicant and if the CO Code Applicant wishes to proceed with the request, the CNA will forward the request to CRTC staff for consideration.
- 10) The CO Codes identified in the NPA CO Code Inventory Chart as "Assignable CO Codes in a Jeopardy Condition" will be assigned in the order determined by the RPC after all CO Codes which are "Available for Assignment as of dd/mm/yyyy" have been assigned.

- 11) After each J-NRUF, the CNA shall provide the Commission and the RPC participants with a report providing an updated NPA CO Code Inventory Chart for the NPA in jeopardy as well as the aggregate results of the most recent J-NRUF.
- 12) Exceptional issues or concerns may be referred by the CNA, or by individual entities (with a courtesy copy to the CNA), to the Commission for resolution.
- 13) In a situation where the Relief Date is on or after the PED, the quantity of CO Codes that may be assigned to a CO Code Applicant prior to the end of the Jeopardy Condition (i.e., 66 days prior to the Relief Date) shall be limited to the quantity forecasted by the CO Code Applicant in its most recent NRUF forecast submitted prior to the Jeopardy Condition being declared by the CNA (if no previous NRUF was submitted, then the previous forecast will be deemed to be zero codes). When making requests to obtain CO Codes prior to the end of the Jeopardy Condition (i.e., 66 days prior to the Relief Date), the CO Code Applicant may change the Exchange Area or the month when the CO Code assignment is required, provided a new J-NRUF and explanation accompanies the application. The control imposed by this option may be relaxed if subsequent J-NRUFs defer the PED to after the Relief Date. CO Codes that become available for assignment due to future reduced demand from other current and prospective CO Code Holders may be assigned at the discretion of CRTC staff.
- 14) If the CNA determines that the implementation of the JCP has not extended the Projected Exhaust Date of the NPA beyond the Relief Date, the CNA will consult with Commission staff and further CO Code conservation and assignment procedures may be ordered by the Commission (e.g., rationing, lottery, etc.).
- 15) In Telecom Notice of Consultation CRTC 2010-815 the CRTC directed the 250, 604 and 778 RPC to set aside, at a minimum, 7 CO Codes for initial code assignments for carriers already providing service in the area served by area codes 250, 604 and 778, and 10 CO Codes for initial code assignments exclusively for new entrants. A New Entrant is an entity who, at the time of their first request for assignment of CO Code(s) in an NPA, does not provide any telecommunications services and does not hold any CO Codes within the boundaries of the NPA.

When a Jeopardy Condition is in effect, the 10 CO Codes for initial code assignments exclusively for new entrants shall be made available for initial Code assignment for new entrants prior to the relief if all other available CO Codes in the exhausting NPA have been assigned. Any CO Codes from this previously set-aside pool that remain when the Jeopardy Condition ends shall be returned to the pool for initial code assignments for New Entrants for assignment following relief.

When a Jeopardy Condition is in effect, the 7 CO Codes for initial code assignments for carriers already providing service in the area served by area codes 250, 604 and 778 shall be made available for initial Code assignment prior to relief. Any CO Codes from this previously set-aside pool that remain when the Jeopardy Condition ends shall be returned to the pool for initial Code assignments for applicants in general for assignment following relief.

If a Jeopardy Condition is in effect and, if all other available CO Codes in the exhausting NPA have been assigned, CRTC staff may make some or all of the CO Codes in the two set aside pools above, available for assignment to any entity for any purpose.





## NPA 250/604/778 CO Code Inventory Chart

The following chart and the instructions it contains will apply in NPA 250/604/778 in a Jeopardy Condition.

The chart shown below lists quantities of CO Codes unassignable prior to a Jeopardy Condition, CO Codes that become assignable in a Jeopardy Condition, and CO Codes in NPA 250/604/778 assigned and In-service as of 13 May 2011. For an Overlay option it identifies 79 CO Codes that are unassignable prior to a Jeopardy Condition, 17 of which become assignable in a Jeopardy Condition. The CO Codes that become assignable in a Jeopardy Condition shall only be made available for assignment when all other available CO Codes have been assigned. The types of CO Codes that become assignable in a Jeopardy Condition should be made available in the same order as listed in the chart.

		<b>Quantity</b>
<b>A</b>	<b>Total CO Codes in NPAs 250/604/778 (NXX format)</b>	<b>2400</b>
<b>B</b>	<b>CO Codes unassignable prior to a Jeopardy Condition</b>	
	N11 Service Codes (211, 311, 411, 511, 611, 711, 811, 911)	24
	Special Use Codes (555, 950 & 976)	9
	Home NPA Code(s) (250, 604, 778)	8
	Current Neighbouring NPA Codes	0
	Future BC Geographic NPA Code (236, 672 - see Note 1)	5
	Plant Test Codes (958 & 959)	6
	Special 7-digit Dialling Codes (310, 610 & 810)	7
	Protected for future NorthwesTel use(250/948, 986 & 987 - see Note 2)	3
	CO Codes set aside for Initial Codes for New Entrants only (for assignment after relief via an overlay [or before if a split])	10
	CO Codes set aside for Initial Codes for carriers already providing service (for assignment after relief via an overlay, [or before if a split])	7
	<b>Total B</b>	<b>79</b>
<b>C</b>	<b>CO Codes assignable prior to a Jeopardy Condition (C=A-B)</b>	<b>2321</b>
<b>D</b>	<b>CO Codes unassignable prior to a Jeopardy Condition that become assignable in a Jeopardy Condition:</b>	
	CO Codes set aside for Initial Code assignments after relief via an overlay (available subject to CRTC staff approval)	17
	<b>Total D</b>	<b>17</b>
<b>E</b>	<b>Assignable CO Codes in a Jeopardy Condition (E=C+D)</b>	<b>2338</b>
<b>F</b>	<b>Assigned CO Codes as of 17 May 2011</b>	<b>1895</b>
<b>G</b>	<b>Net CO Codes available for assignment as of 13 May 2011 without a Jeopardy Condition (G=C-F)</b>	<b>426</b>
<b>H</b>	<b>Net CO Codes available for assignment as of 13 May 2011 in a Jeopardy Condition (H=E-F)</b>	<b>443</b>

**Notes:**

1. 28 of the 29 CO Codes corresponding to Future Canadian Geographic NPA Codes are already assigned, in-service, or available for assignment in NPA 250/604/778 leaving 1 as currently unavailable for assignment. CO Code 236 is unavailable for assignment in NPAs 250, 604, and 778 since on 7 June 2007 in Telecom Decision CRTC 2007-38 the Commission directed the CNA to reserve area code 236 for future area code relief in British Columbia. CO Code 672 should remain unavailable for assignment in NPAs 604 and 778 since CO Code 672 is the only unassigned code in the 604 and 778 NPAs which matches with the Future reserved NPA Codes for Canada.
2. 3 CO Codes (948, 986 & 987) from NPA 250 are protected for future NorthwesTel use as directed by CRTC staff 21 March 2007.

## 12. SELECTION OF RELIEF NPA CODE

When an immediate or subsequent NPA relief requires a new NPA Code, some of the criteria for selecting the new NPA Code from the list of available Future Canadian Geographic NPA Codes are described in section 4.9 of the Canadian NPA Relief Planning Guideline as follows.

- a) The preferred Future Canadian Geographic NPA Code should not be an NPA Code that is assigned as a CO Code in the area that is being relieved (Home NPA(s)).
- b) The preferred Future Canadian Geographic NPA Code should not be an NPA Code that is assigned as a CO Code in another NPA within the same province where there is a possibility that a single new NPA Code could be overlaid on more than one NPA within the province, or where boundary realignment could occur that affects another NPA.
- c) The preferred Future Canadian Geographic NPA Code should not be an NPA Code that is assigned as a CO Code in an Exchange Area in a neighbouring NPA, if the neighbouring NPA has 7-digit local calling within the NPA, and i) the Exchange Area in the neighbouring NPA where the CO Code is assigned has local calling to the NPA being relieved, or ii) the Exchange Area in the neighbouring NPA where the CO Code is assigned does not have local calling to the NPA being relieved, but other Exchange Areas within that neighbouring NPA have 7-digit local calling to the Exchange Area where the CO Code is assigned as well as local calling to the new NPA.

The NPA Code Selection Tool located on the CNA web site at [http://www.cnac.ca/npa\\_codes/relief/NPA\\_Selection\\_Tool.xls](http://www.cnac.ca/npa_codes/relief/NPA_Selection_Tool.xls) can assist in selecting a relief NPA Code from the pool of NPA Codes reserved for relief of geographic Canadian NPAs. The following table shows all CO Codes corresponding to Future Canadian Geographic NPA Codes that could be designated as unassignable for the 8 Relief Options.

In Telecom Decision CRTC 2007-38 – *Code relief for area code 250*, Future Canadian Geographic NPA Code 236 was reserved for future relief in British Columbia. CO Code 236 is the only CO Code corresponding to a Future Canadian Geographic NPA Code 236 that is not already assigned in all three NPA Codes (250, 604 & 778) in British Columbia.

There is only one CO Code corresponding to a Future Canadian Geographic NPA Code that is not already assigned in two of the three NPA Codes in BC: CO Code 672 is not assigned in NPA Codes 604 & 778.

There are six other CO Codes corresponding to the Future Canadian NPA Codes (i.e., 354, 365, 367, 368, 387 and 474) that are only available in one of the three BC NPA Codes. Regarding these six NPA Codes, in Telecom Decision CRTC 2010-784, the CRTC set aside NPA Code 474 for future relief in the Province of Saskatchewan. In the current draft of the NPA 416/647 Planning Document, the NPA 416/647 Relief Planning Committee has included a recommendation that Future Canadian NPA Code 387 be reserved for subsequent relief in the 416/437/647 region as the 416/647 region is forecast to exhaust twice in the next 20 years.

NXX corresponding to Future NPA →	236	672
Concentrated Overlays of New NPA Code 236 on NPA 250 and 1 additional New NPA Code on NPA 604, (remaining CO Codes in NPA Code 778 would continue to be assigned throughout BC)	✓	✓
Concentrated Overlays of New NPA Code 236 on NPA 250 and 1 additional New NPA Code on NPA 604 (remaining CO Codes in NPA 778 would only be assigned in the area served by NPA Code 604)	✓	✓
Concentrated Overlays of New NPA Code 236 on NPA 250 and 1 additional New NPA Code on NPA 604, (remaining CO Codes in NPA Code 778 would only be assigned in the area served by NPA Code 250)	✓	✓
Concentrated Overlay of New NPA Code 236 on both NPA 604 Lower Mainland, and NPA 250 Vancouver Island Exchange Areas only (remaining CO Codes in NPA 778 would only be assigned in remainder of BC)	✓	
Concentrated Overlay of New NPA Code 236 on NPA 604 (remaining CO Codes in NPA 778 would only be assigned in area served by NPA Code 250)	✓	
Distributed Overlay of two New NPA Codes (i.e. 236 and 1 additional) on NPA 250/604/778	✓	✓
Distributed Overlay of one New NPA Code (236) on NPA 250/604/778	✓	
Boundary Realignment of NPA 778 to NPA 250 Exchange Areas and Concentrated Overlay of New NPA Code 236 on NPA 604 Lower Mainland Exchange Areas only	✓	

✓ Indicates that corresponding CO Code is designated as unassignable in Home NPA(s)

Based on the assessment above, Future Canadian Geographic NPA Codes 236 and 672 meet most of the criteria for relief of NPA 250/604/778 and are therefore the preferred NPA Codes for relief in British Columbia.

Given the above considerations, the NPA 250/604/778 RPC recommends that NPA Code 236 be the NPA Code for the first relief and NPA Code 672 be the NPA Code for the subsequent relief for the NPA 250/604/778 region regardless as to whether Option 6 or Option 7 is approved by the Commission.

### 13. RECOMMENDATIONS

Based on the assessment of Relief Options and other issues contained in this document, the RPC submits the following recommendations to the CISC and CRTC for approval:

- 1) The Relief Method should be a distributed overlay of the NPA 250/604/778 area (i.e., a province-wide overlay).
- 2) The Relief Date should be 1 June 2013, which is 17 months prior to the PED of November 2014.
- 3) The proposed Relief Implementation Schedule contained in Section 10 of this Planning Document should be utilized.
- 4) NPA Code 236 should be used for the initial relief of NPA 250/604/778 and NPA Code 672 should be set aside for subsequent relief of NPA 236/250/604/778.

#### **14. NON-CONCENSUS ITEMS**

The RPC was not able to agree on which distributed overlay option to be implemented, Option 6 or Option 7.

Bell Canada and TELUS propose that Option 6 be implemented which involves a distributed overlay of two NPAs simultaneously. If Option 6 were approved by the Commission CO Codes in NPA 236 should be made available for assignment on the Relief Date and CO Codes in the additional new NPA Code 672 only be made available for assignment by the CNA when 90% of the assignable CO Codes in NPA 236 have been assigned.

Rogers Communications favours Option 7 which involves a distributed overlay of only a single NPA at this time. Rogers Communications does not object to setting aside NPA 672 for future use, but is not prepared to support implementing two relief NPAs at the same time.

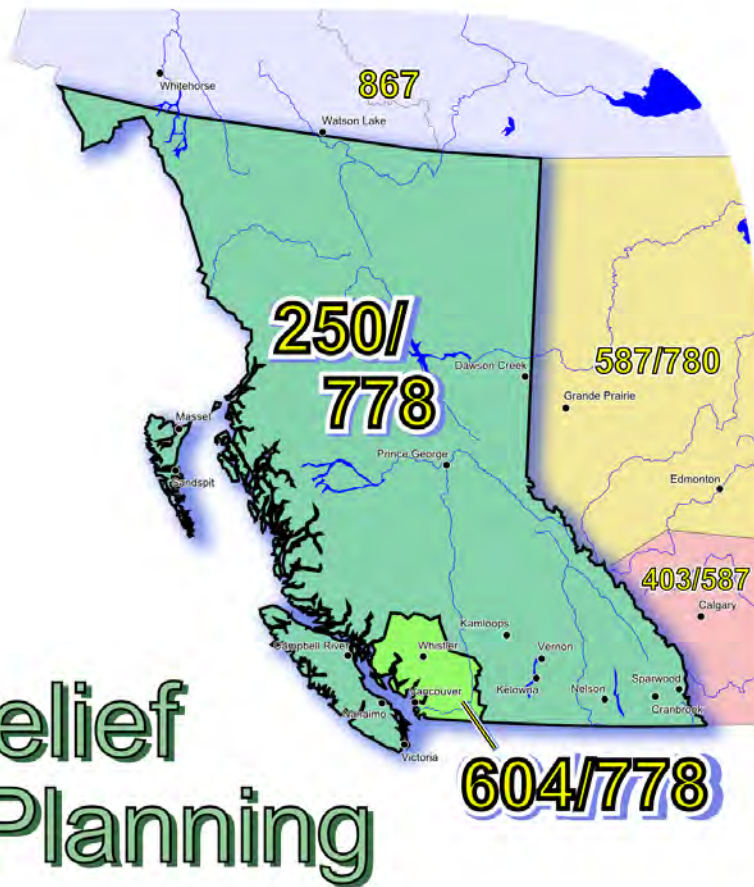
**NPA 250/604/778**  
**INITIAL PLANNING DOCUMENT**

**ANNEXES**

**Annexes**  
**Initial Planning Document**  
**NPA 250/604/778 Numbering Relief**



# NPA 250/604/778



**Relief  
Planning**

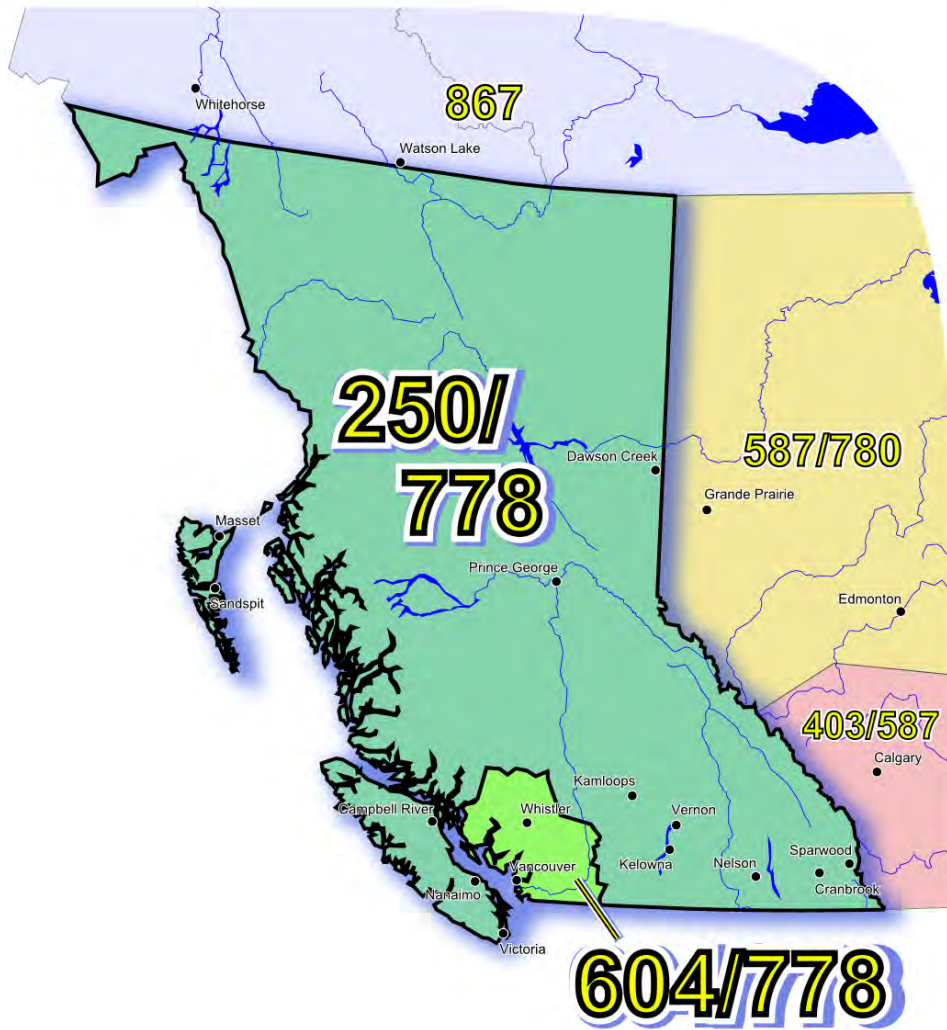


Figure 1 - Overview of NPA 250/604/778 and Adjacent NPAs

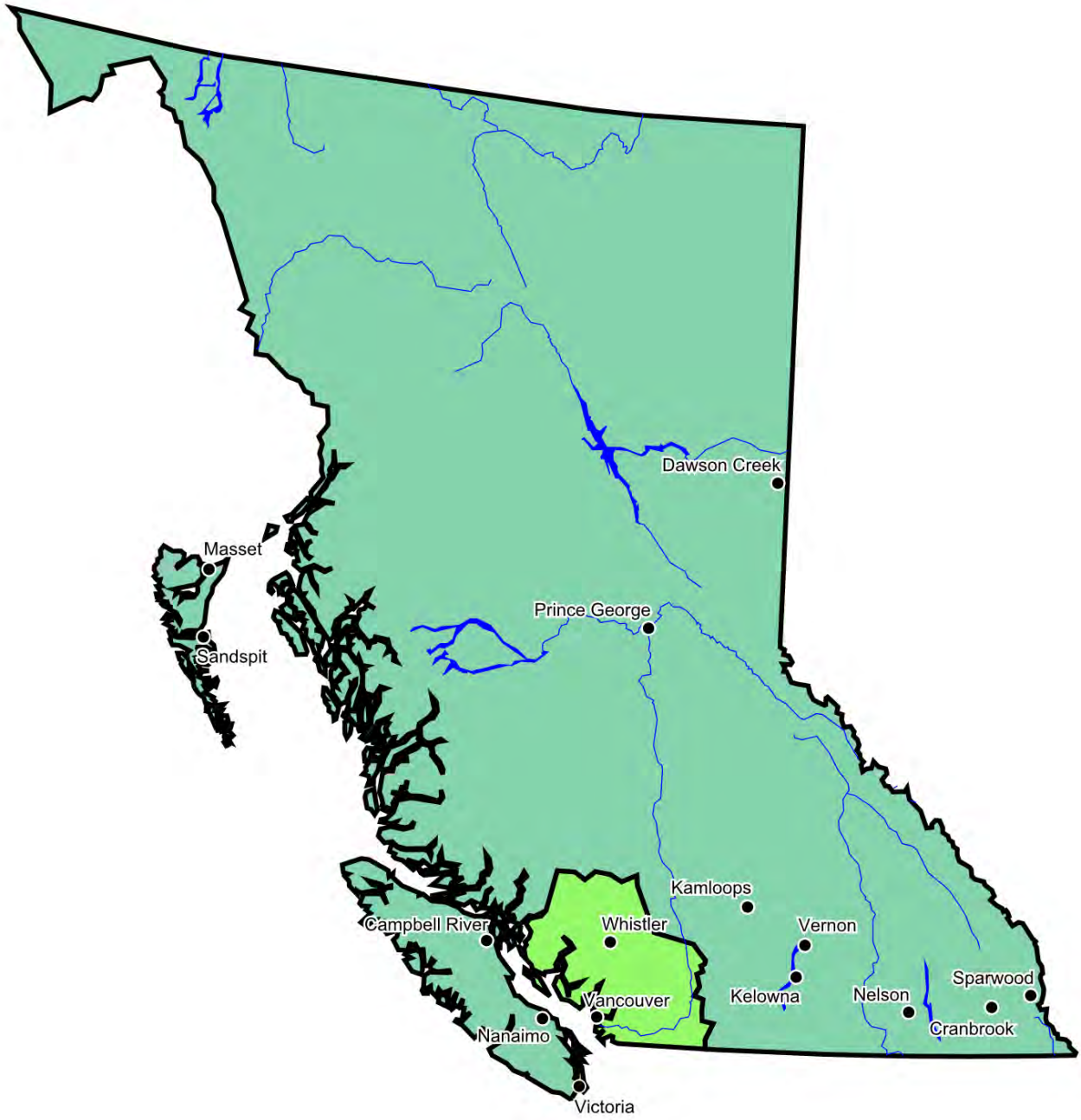


Figure 2 – NPA 250/604/778 Major Cities

NPA 250-604-778 British Columbia

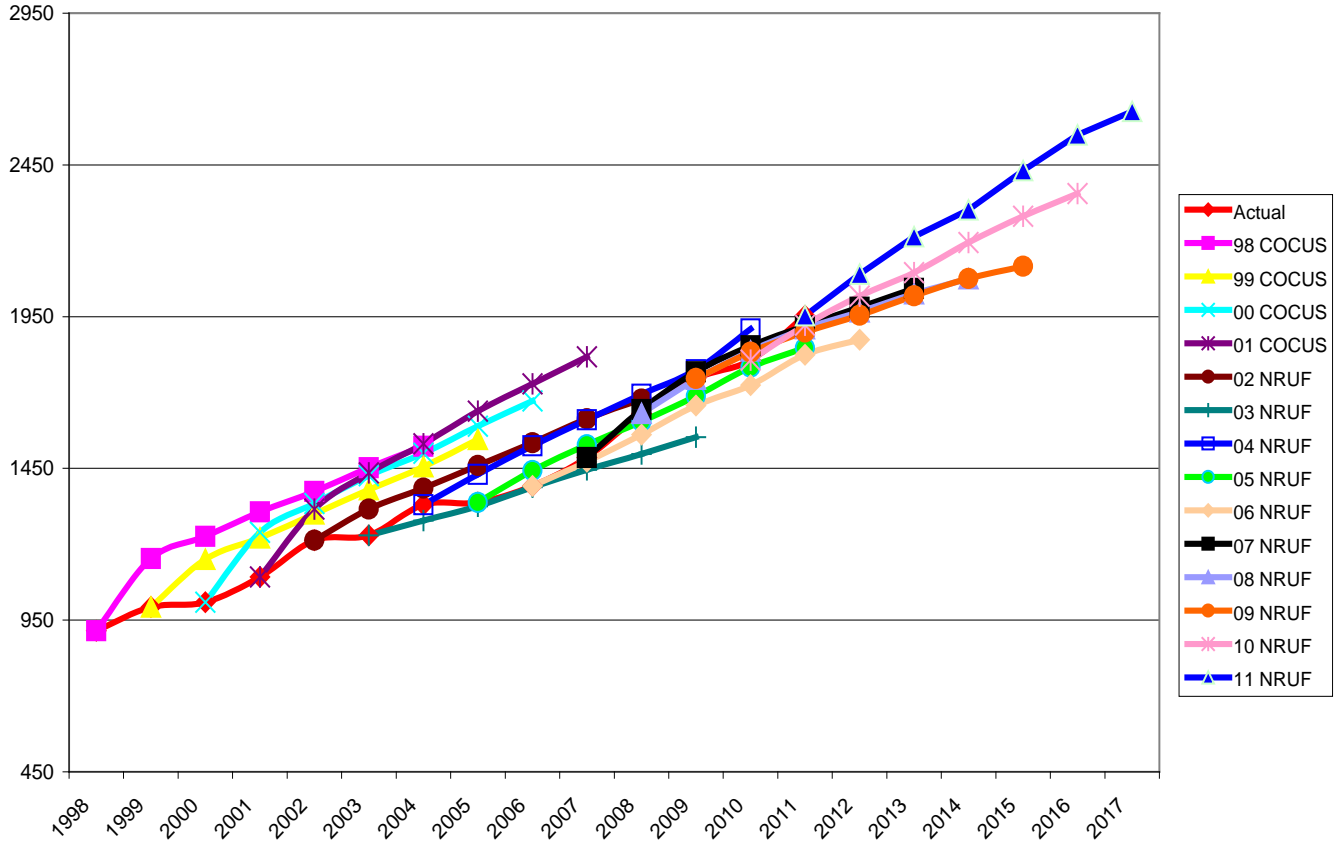
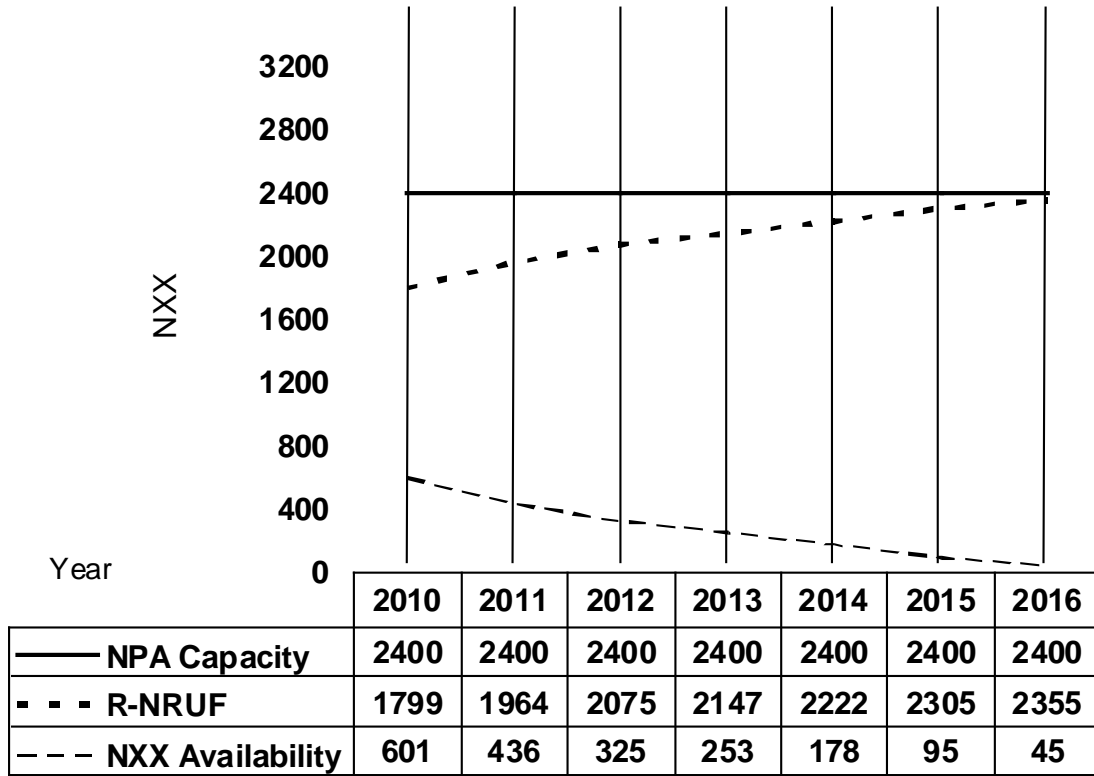


Figure 3 – NPA 250/604/778 Actual and Forecast CO Code Assignments

**NPA 250/604/778 CO Code Exhaust July 2010 R-NRUF**



**Figure 4 – NPA 250/604/778 CO Code Exhaust July 2010 R-NRUF**

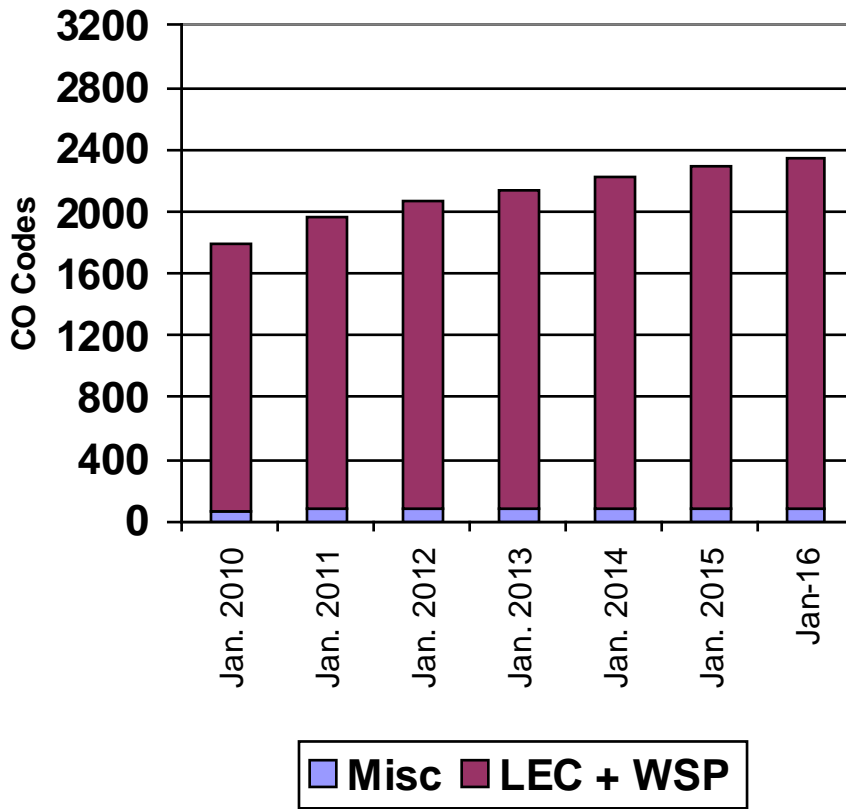


Figure 5 – NPA 250/604/778 CO Code Exhaust July 2010 R-NRUF

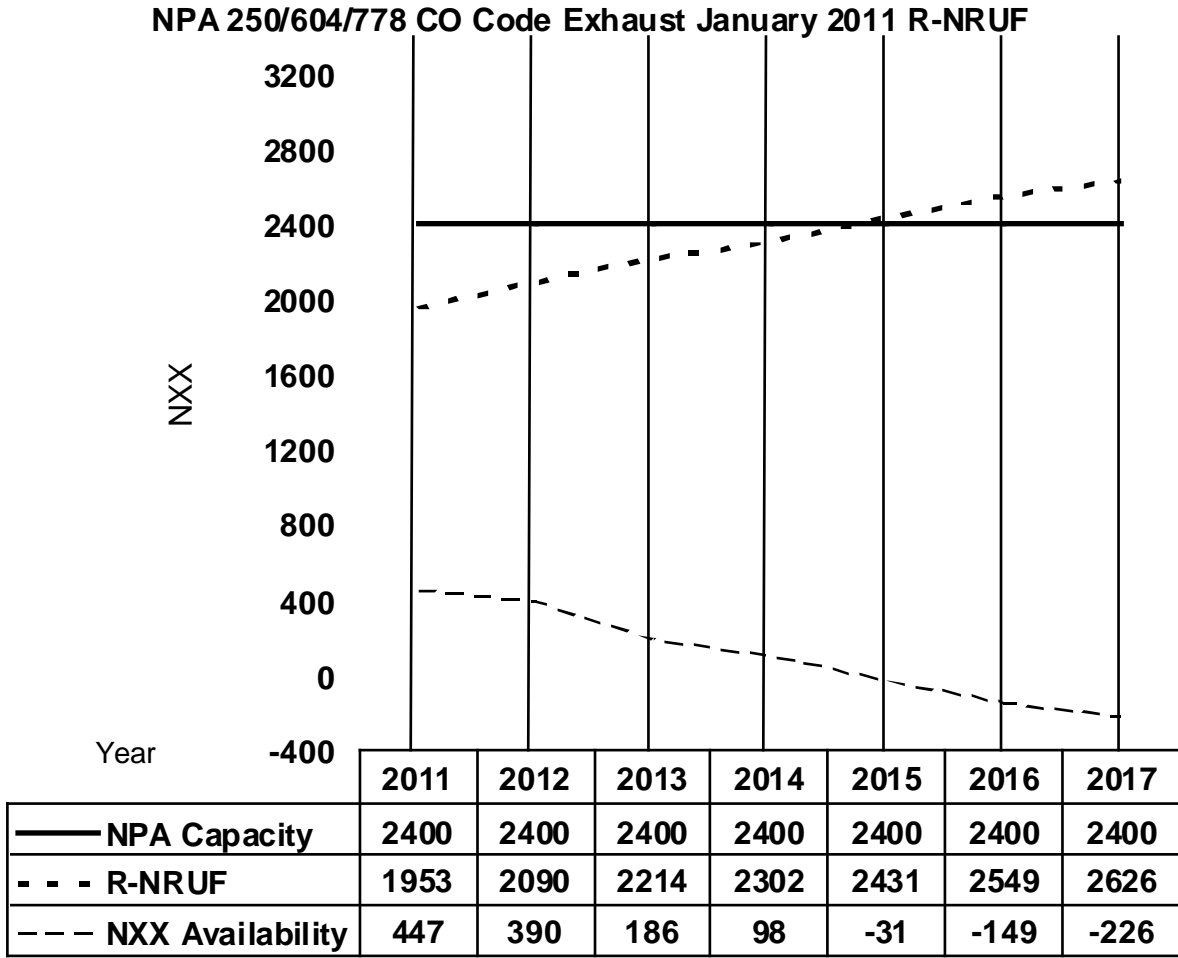


Figure 6 – NPA 250/604/778 CO Code Exhaust January 2011 R-NRUF

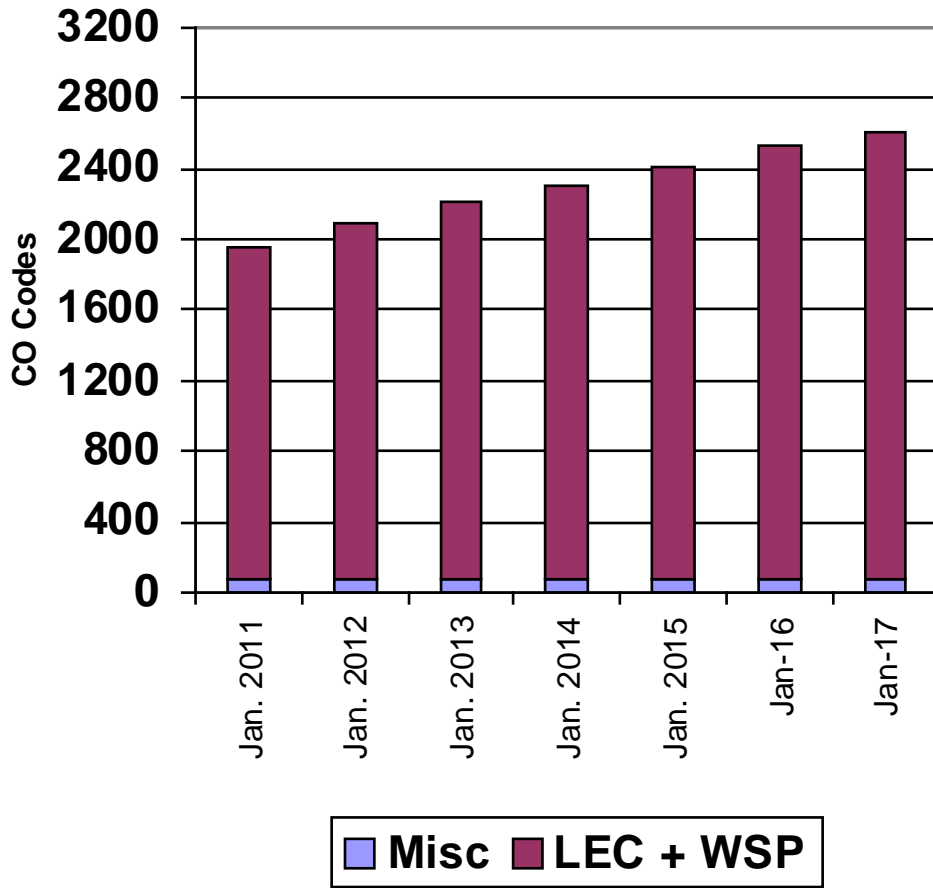
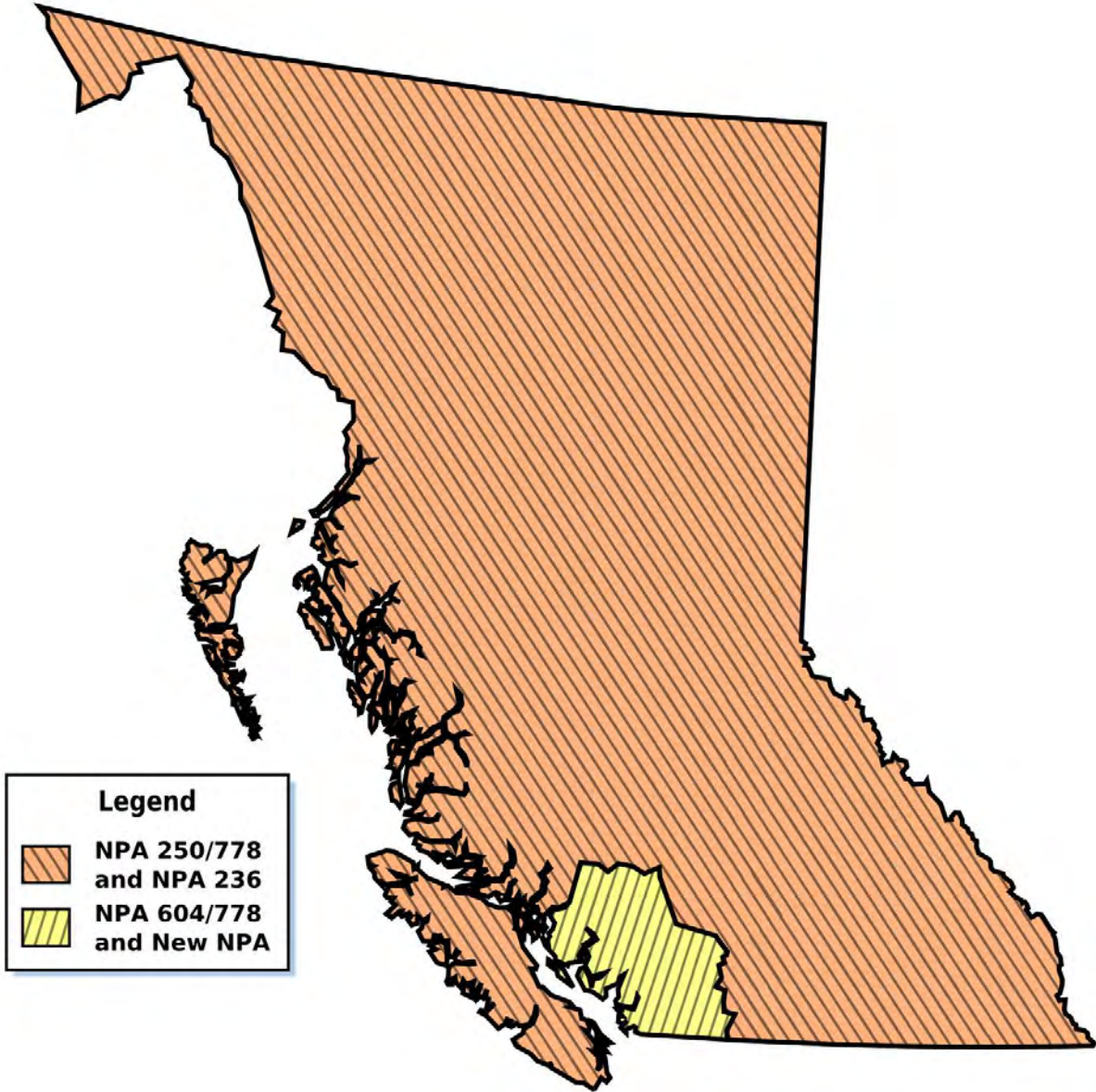
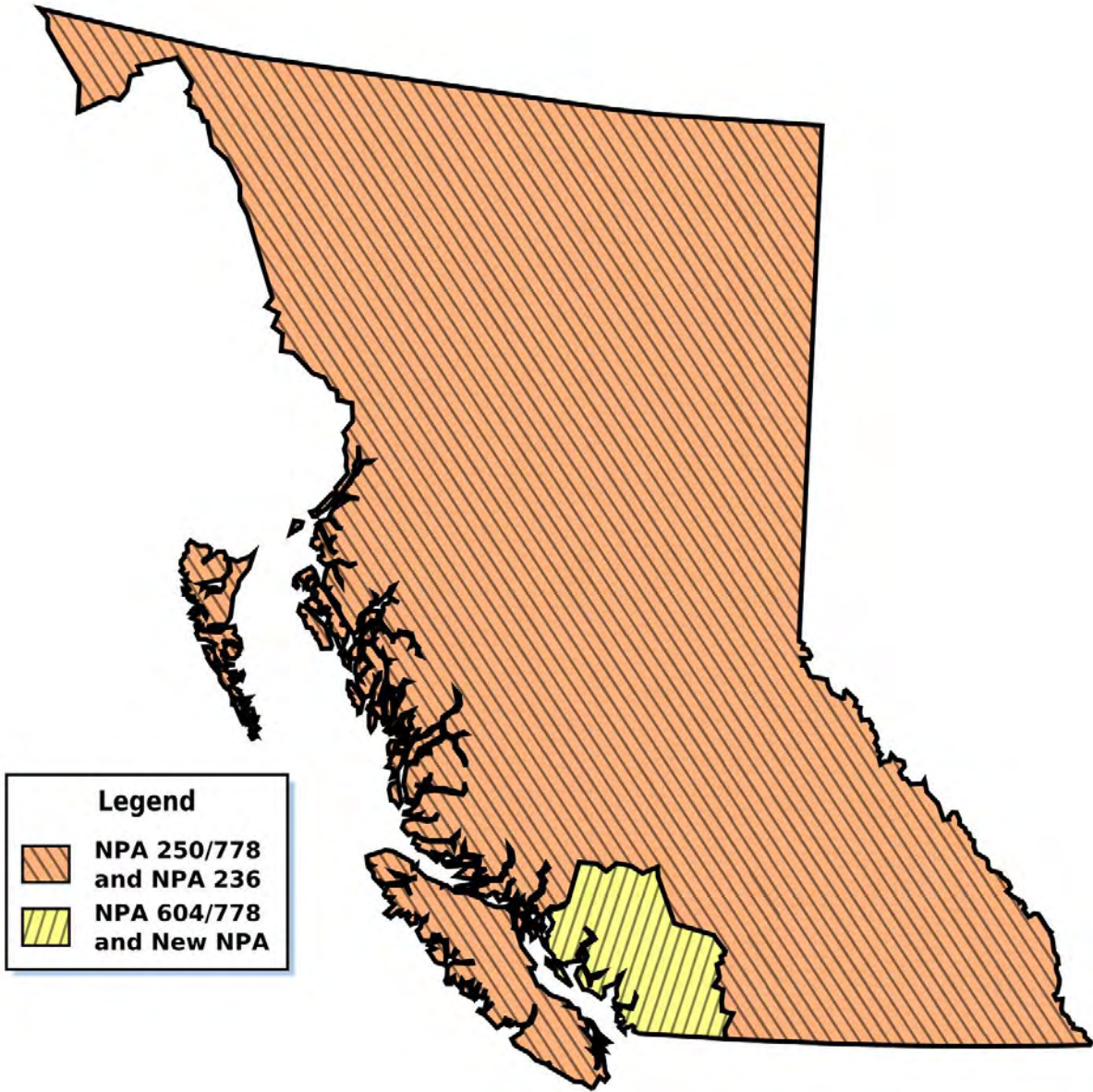


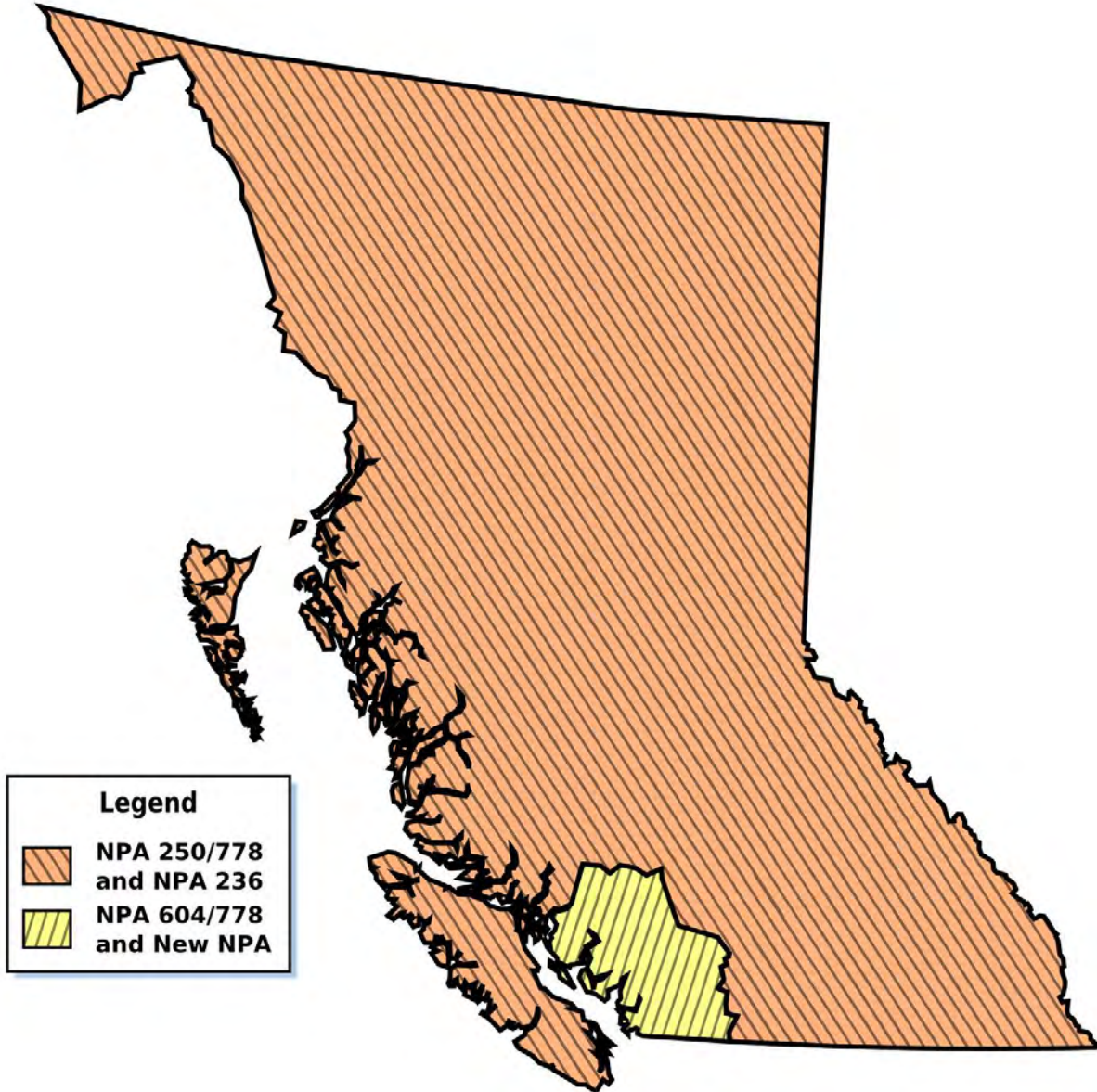
Figure 7 – NPA 250/604/778 CO Code Exhaust January 2011 R-NRUF



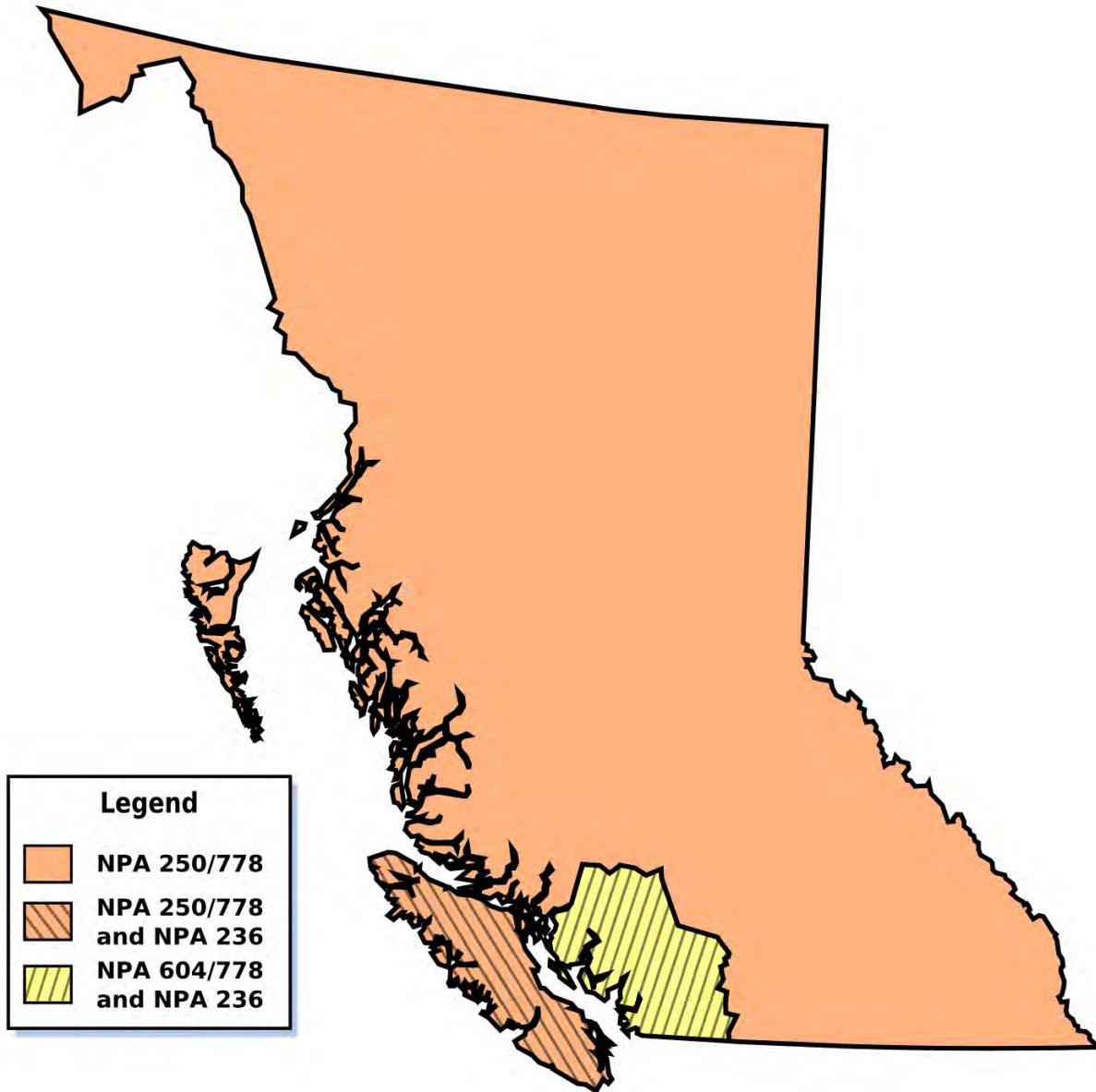
**Figure 8 – Option 1 – Concentrated Overlays of New NPA Code 236 on NPA 250 and 1 additional New NPA Code on NPA 604 (remaining CO Codes in NPA Code 778 would continue to be assigned throughout BC)**



**Figure 9 – Option 2 – Concentrated Overlays of New NPA Code 236 on NPA 250 and 1 additional New NPA Code on NPA 604 (remaining CO Codes in NPA 778 would only be assigned in the area served by NPA Code 604)**



**Figure 10 – Option 3 – Concentrated Overlays of New NPA Code 236 on NPA 250 and 1 additional New NPA Code on NPA 604 (remaining CO Codes in NPA 778 would only be assigned in the area served by NPA Code 250)**



**Figure 11 – Option 4 – Concentrated Overlay of New NPA Code 236 on both NPA 604 Lower Mainland, and NPA 250 Vancouver Island Exchange Areas only (remaining CO Codes in NPA 778 would only be assigned in remainder of BC)**

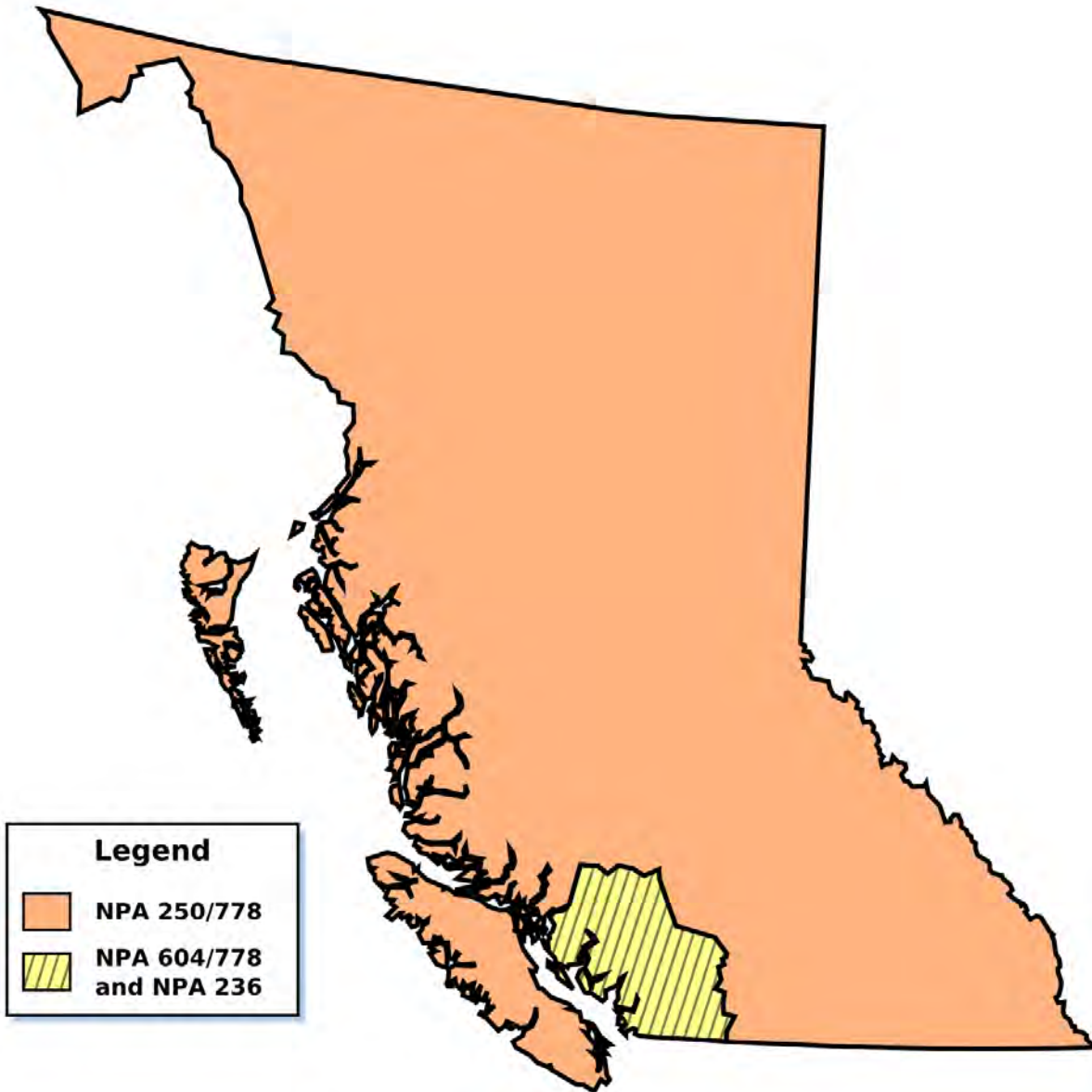
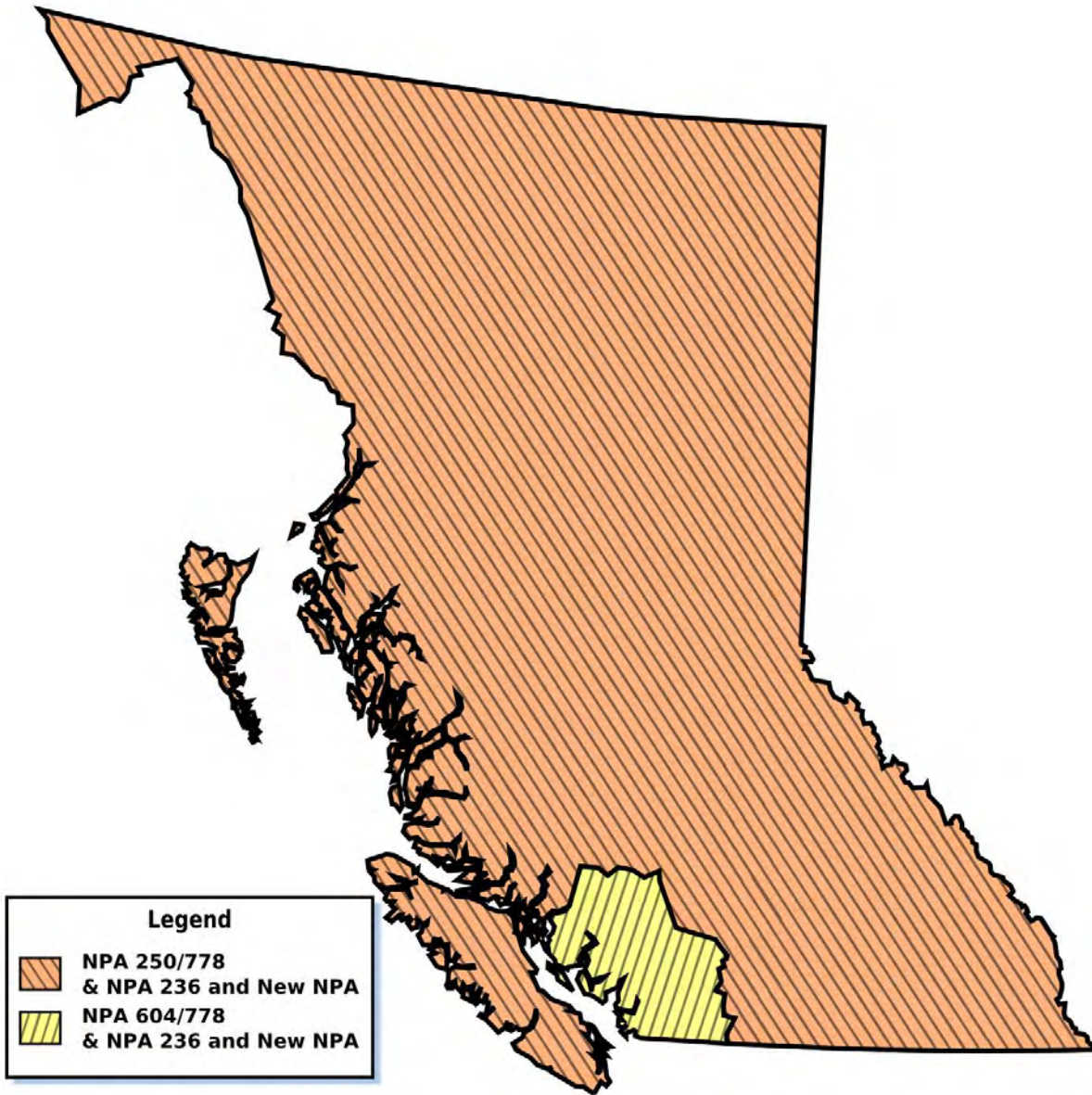


Figure 12 – Option 5 – Concentrated Overlay of New NPA Code 236 on NPA 604 (remaining CO Codes in NPA 778 would only be assigned in area served by NPA Code 250)



**Figure 13 – Option 6 – Distributed Overlay of two New NPA Codes (i.e. 236 and 1 additional) New on NPA 250/604/778**

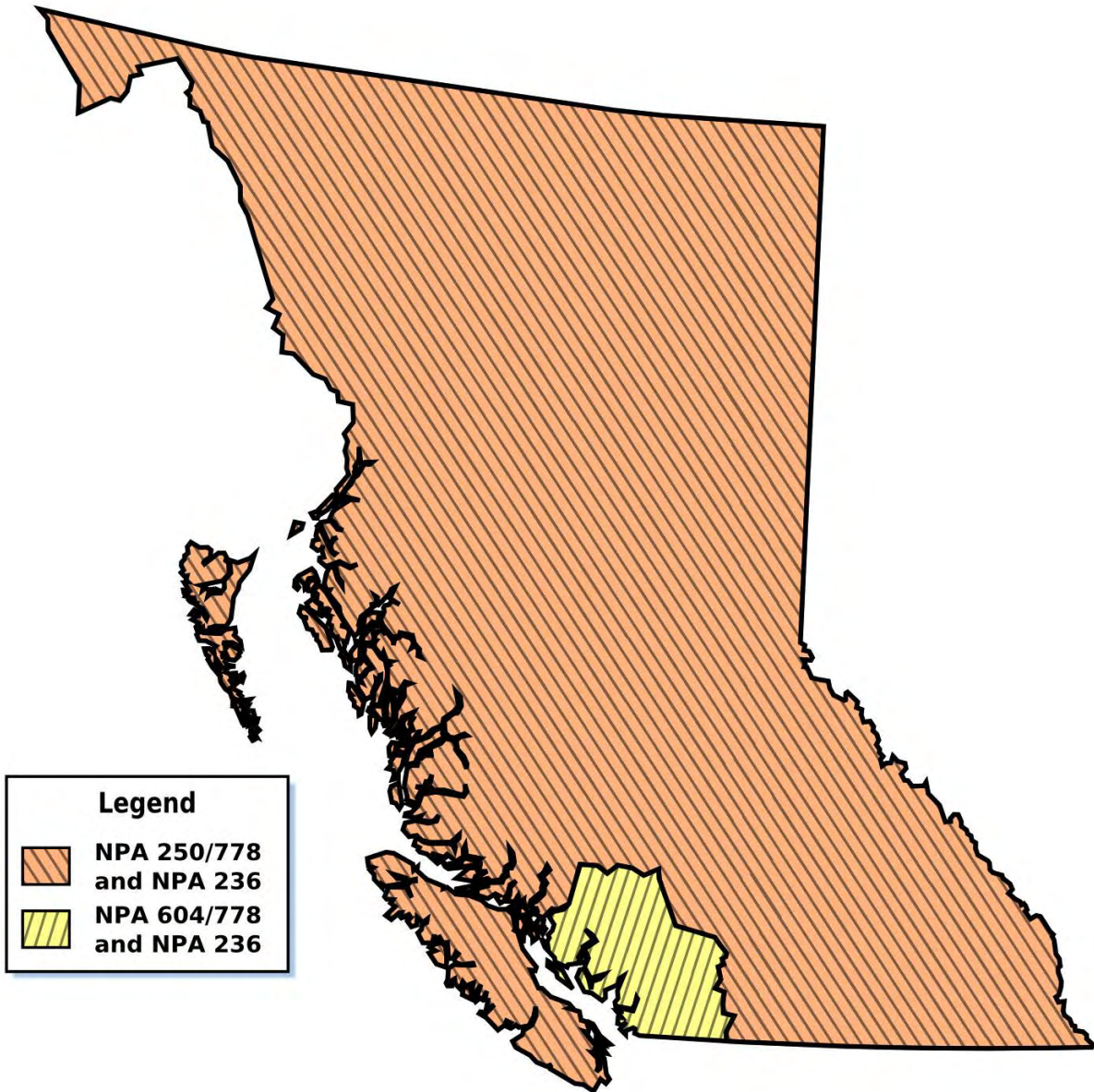


Figure 14 – Option 7 – Distributed Overlay of one New NPA Code (236) on NPA 250/604/778

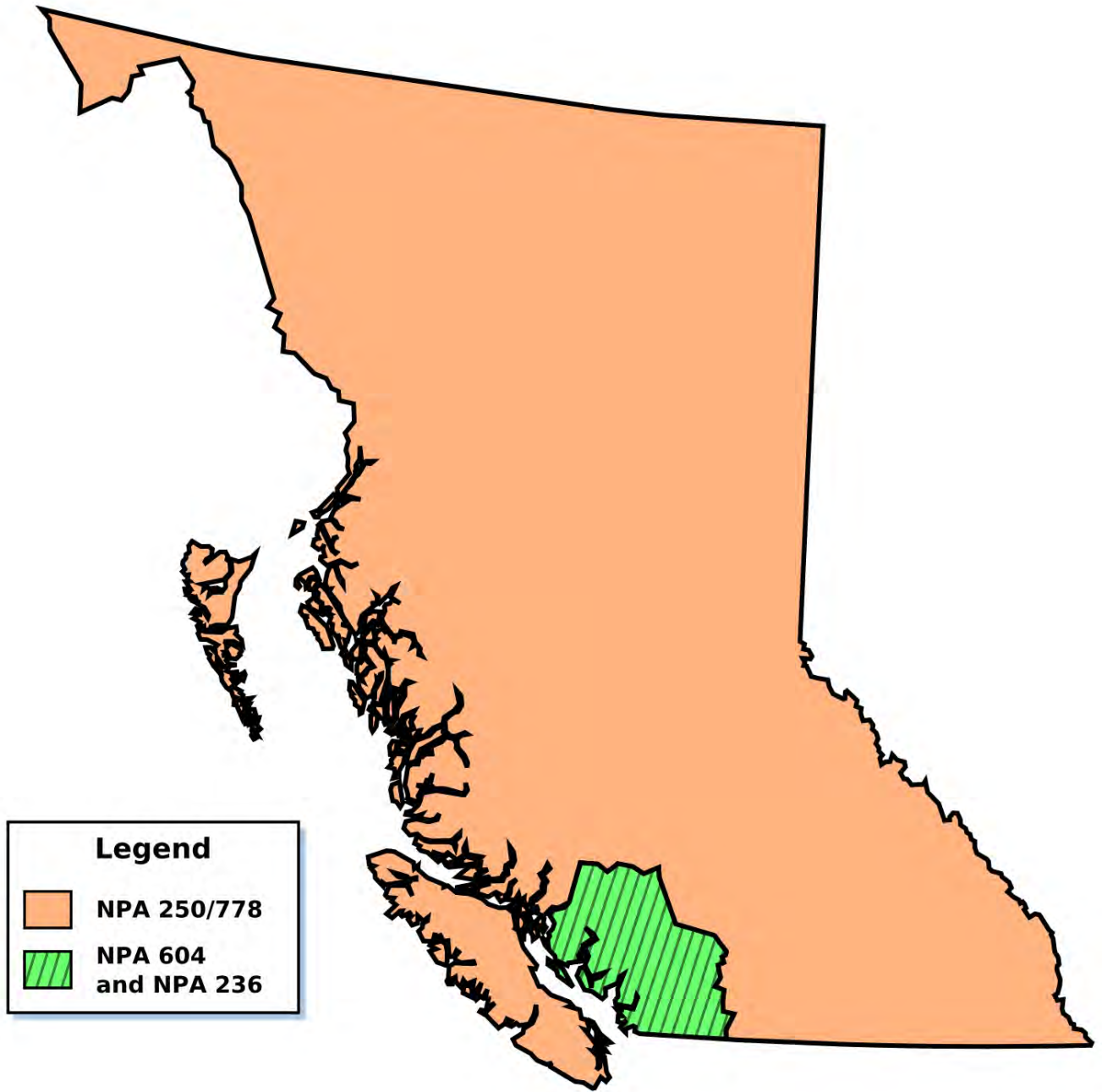


Figure 15 – Option 8 – Boundary Realignment of NPA 778 to NPA 250 Exchange Areas and Concentrated Overlay of New NPA Code 236 on NPA 604 Lower Mainland Exchange Areas only

**Table 1 - NPA 250/604/778 Exchange Areas and Relief Plan Options**

Plans Exchange Area	1			2			3			4			5		
	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA
100 Mile House	✓	✓		✓	✓		✓	✓		✓			✓		
108 Mile House	✓	✓		✓	✓		✓	✓		✓			✓		
150 Mile House	✓	✓		✓	✓		✓	✓		✓			✓		
70 Mile House	✓	✓		✓	✓		✓	✓		✓			✓		
Ahousat	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Aiyansh	✓	✓		✓	✓		✓	✓		✓			✓		
Alert Bay	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Alexis Creek	✓	✓		✓	✓		✓	✓		✓			✓		
Alkali Lake	✓	✓		✓	✓		✓	✓		✓			✓		
Armstrong	✓	✓		✓	✓		✓	✓		✓			✓		
Ashcroft	✓	✓		✓	✓		✓	✓		✓			✓		
Aspen Park	✓	✓		✓	✓		✓	✓		✓			✓		
Atlin	✓	✓		✓	✓		✓	✓		✓			✓		
Avola	✓	✓		✓	✓		✓	✓		✓			✓		
Balfour	✓	✓		✓	✓		✓	✓		✓			✓		
Bamfield	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Barriere	✓	✓		✓	✓		✓	✓		✓			✓		
Bear Lake	✓	✓		✓	✓		✓	✓		✓			✓		
Beaver Cove	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Beaver Valley	✓	✓		✓	✓		✓	✓		✓			✓		
Beaverdell	✓	✓		✓	✓		✓	✓		✓			✓		
Bella Bella	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Bella Coola	✓	✓		✓	✓		✓	✓		✓			✓		
Blueberry	✓	✓		✓	✓		✓	✓		✓			✓		
Blue River	✓	✓		✓	✓		✓	✓		✓			✓		
Bob Quinn Lake	✓	✓		✓	✓		✓	✓		✓			✓		
Boswell	✓	✓		✓	✓		✓	✓		✓			✓		
Bouchie Lake	✓	✓		✓	✓		✓	✓		✓			✓		
Bowser	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Bridge Lake	✓	✓		✓	✓		✓	✓		✓			✓		
Burns Lake	✓	✓		✓	✓		✓	✓		✓			✓		
Cache Creek	✓	✓		✓	✓		✓	✓		✓			✓		
Campbell River	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Canal Flats	✓	✓		✓	✓		✓	✓		✓			✓		
Castlegar	✓	✓		✓	✓		✓	✓		✓			✓		
Cedar	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Celista	✓	✓		✓	✓		✓	✓		✓			✓		
Chase	✓	✓		✓	✓		✓	✓		✓			✓		
Chemainus	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Chetwynd	✓	✓		✓	✓		✓	✓		✓			✓		
Chief Lake	✓	✓		✓	✓		✓	✓		✓			✓		
Chilako	✓	✓		✓	✓		✓	✓		✓			✓		
Christina Lake	✓	✓		✓	✓		✓	✓		✓			✓		
Clearwater	✓	✓		✓	✓		✓	✓		✓			✓		
Clinton	✓	✓		✓	✓		✓	✓		✓			✓		
Cluculz Lake	✓	✓		✓	✓		✓	✓		✓			✓		
Cobble Hill	✓	✓		✓	✓		✓	✓		✓	✓		✓		

Plans Exchange Area	1			2			3			4			5		
	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA
Comox	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Cortez Island	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Courtenay	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Cranbrook	✓	✓		✓	✓		✓	✓		✓			✓		
Crawford Bay	✓	✓		✓	✓		✓	✓		✓			✓		
Creston	✓	✓		✓	✓		✓	✓		✓			✓		
Cumberland	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Dallas	✓	✓		✓	✓		✓	✓		✓			✓		
Dawson Creek	✓	✓		✓	✓		✓	✓		✓			✓		
Dease Lake	✓	✓		✓	✓		✓	✓		✓			✓		
Decker Lake	✓	✓		✓	✓		✓	✓		✓			✓		
Donald	✓	✓		✓	✓		✓	✓		✓			✓		
Douglas Lake	✓	✓		✓	✓		✓	✓		✓			✓		
Dragon Lake	✓	✓		✓	✓		✓	✓		✓			✓		
Duncan	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Duncan Lake	✓	✓		✓	✓		✓	✓		✓			✓		
Dunster	✓	✓		✓	✓		✓	✓		✓			✓		
East Pine	✓	✓		✓	✓		✓	✓		✓			✓		
Elkford	✓	✓		✓	✓		✓	✓		✓			✓		
Elko	✓	✓		✓	✓		✓	✓		✓			✓		
Enderby	✓	✓		✓	✓		✓	✓		✓			✓		
Fairmont Hot Springs	✓	✓		✓	✓		✓	✓		✓			✓		
Falkland	✓	✓		✓	✓		✓	✓		✓			✓		
Fauquier	✓	✓		✓	✓		✓	✓		✓			✓		
Fernie	✓	✓		✓	✓		✓	✓		✓			✓		
Field	✓	✓		✓	✓		✓	✓		✓			✓		
Flatrock	✓	✓		✓	✓		✓	✓		✓			✓		
Forest Grove	✓	✓		✓	✓		✓	✓		✓			✓		
Fort Fraser	✓	✓		✓	✓		✓	✓		✓			✓		
Fort Nelson	✓	✓		✓	✓		✓	✓		✓			✓		
Fort St. James	✓	✓		✓	✓		✓	✓		✓			✓		
Fort St. John	✓	✓		✓	✓		✓	✓		✓			✓		
Fort Ware	✓	✓		✓	✓		✓	✓		✓			✓		
Francois Lake	✓	✓		✓	✓		✓	✓		✓			✓		
Fraser Lake	✓	✓		✓	✓		✓	✓		✓			✓		
Fruitvale	✓	✓		✓	✓		✓	✓		✓			✓		
Fulford Harbour	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Gabriola Island	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Ganges	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Genelle	✓	✓		✓	✓		✓	✓		✓			✓		
Giscome	✓	✓		✓	✓		✓	✓		✓			✓		
Gold Bridge	✓	✓		✓	✓		✓	✓		✓			✓		
Gold River	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Golden	✓	✓		✓	✓		✓	✓		✓			✓		
Good Hope Lake	✓	✓		✓	✓		✓	✓		✓			✓		
Grand Forks	✓	✓		✓	✓		✓	✓		✓			✓		
Granisle	✓	✓		✓	✓		✓	✓		✓			✓		
Grasmere	✓	✓		✓	✓		✓	✓		✓			✓		
Grassy Plains	✓	✓		✓	✓		✓	✓		✓			✓		
Greenville	✓	✓		✓	✓		✓	✓		✓			✓		
Greenwood	✓	✓		✓	✓		✓	✓		✓			✓		

Plans Exchange Area	1			2			3			4			5		
	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA
Gulf Islands	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Hagensborg	✓	✓		✓	✓		✓	✓		✓			✓		
Hansard	✓	✓		✓	✓		✓	✓		✓			✓		
Hartley Bay	✓	✓		✓	✓		✓	✓		✓			✓		
Hartway	✓	✓		✓	✓		✓	✓		✓			✓		
Hazelton	✓	✓		✓	✓		✓	✓		✓			✓		
Hedley	✓	✓		✓	✓		✓	✓		✓			✓		
Hendrix Lake	✓	✓		✓	✓		✓	✓		✓			✓		
Hixon	✓	✓		✓	✓		✓	✓		✓			✓		
Holberg	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Horsefly	✓	✓		✓	✓		✓	✓		✓			✓		
Houston	✓	✓		✓	✓		✓	✓		✓			✓		
Hudson's Hope	✓	✓		✓	✓		✓	✓		✓			✓		
Invermere	✓	✓		✓	✓		✓	✓		✓			✓		
Iskut	✓	✓		✓	✓		✓	✓		✓			✓		
Jaffray	✓	✓		✓	✓		✓	✓		✓			✓		
Jordan River	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Kaslo	✓	✓		✓	✓		✓	✓		✓			✓		
Kelowna	✓	✓		✓	✓		✓	✓		✓			✓		
Keremeos	✓	✓		✓	✓		✓	✓		✓			✓		
Kimberley	✓	✓		✓	✓		✓	✓		✓			✓		
Kincolith	✓	✓		✓	✓		✓	✓		✓			✓		
Kitimat	✓	✓		✓	✓		✓	✓		✓			✓		
Kitkatla	✓	✓		✓	✓		✓	✓		✓			✓		
Kitsault	✓	✓		✓	✓		✓	✓		✓			✓		
Kitwanga	✓	✓		✓	✓		✓	✓		✓			✓		
Klemtu	✓	✓		✓	✓		✓	✓		✓			✓		
Kyuquot	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Lac la Hache	✓	✓		✓	✓		✓	✓		✓			✓		
Ladysmith	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Lake Cowichan	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Lakelse	✓	✓		✓	✓		✓	✓		✓			✓		
Lakeview Heights	✓	✓		✓	✓		✓	✓		✓			✓		
Lantzville	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Lasqueti Island	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Likely	✓	✓		✓	✓		✓	✓		✓			✓		
Lillooet	✓	✓		✓	✓		✓	✓		✓			✓		
Little Fort	✓	✓		✓	✓		✓	✓		✓			✓		
Logan Lake	✓	✓		✓	✓		✓	✓		✓			✓		
Loos (Radio Term.)	✓	✓		✓	✓		✓	✓		✓			✓		
Lower Post	✓	✓		✓	✓		✓	✓		✓			✓		
Lumby	✓	✓		✓	✓		✓	✓		✓			✓		
Lytton	✓	✓		✓	✓		✓	✓		✓			✓		
Mackenzie	✓	✓		✓	✓		✓	✓		✓			✓		
Manning Park	✓	✓		✓	✓		✓	✓		✓			✓		
Masset	✓	✓		✓	✓		✓	✓		✓			✓		
McBride	✓	✓		✓	✓		✓	✓		✓			✓		
McLeese Lake	✓	✓		✓	✓		✓	✓		✓			✓		
McLeod Lake	✓	✓		✓	✓		✓	✓		✓			✓		
Merritt	✓	✓		✓	✓		✓	✓		✓			✓		
Mica Creek	✓	✓		✓	✓		✓	✓		✓			✓		

Plans Exchange Area	1			2			3			4			5		
	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA
Midway	✓	✓		✓	✓		✓	✓		✓			✓		
Montney	✓	✓		✓	✓		✓	✓		✓			✓		
Mould Creek	✓	✓		✓	✓		✓	✓		✓			✓		
Moyie	✓	✓		✓	✓		✓	✓		✓			✓		
Muncho Lake	✓	✓		✓	✓		✓	✓		✓			✓		
Nakusp	✓	✓		✓	✓		✓	✓		✓			✓		
Nanaimo	✓	✓		✓	✓		✓	✓		✓			✓		
Nanoose	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Naramata	✓	✓		✓	✓		✓	✓		✓			✓		
Nelson	✓	✓		✓	✓		✓	✓		✓			✓		
New Denver	✓	✓		✓	✓		✓	✓		✓			✓		
Nimpo Lake	✓	✓		✓	✓		✓	✓		✓			✓		
North Kamloops	✓	✓		✓	✓		✓	✓		✓			✓		
North Nelson	✓	✓		✓	✓		✓	✓		✓			✓		
Ocean Falls	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Okanagan Falls	✓	✓		✓	✓		✓	✓		✓			✓		
Okanagan Mission	✓	✓		✓	✓		✓	✓		✓			✓		
Oliver	✓	✓		✓	✓		✓	✓		✓			✓		
Osoyoos	✓	✓		✓	✓		✓	✓		✓			✓		
Oyama	✓	✓		✓	✓		✓	✓		✓			✓		
Oyster Bay	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Parksville	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Parson	✓	✓		✓	✓		✓	✓		✓			✓		
Peachland	✓	✓		✓	✓		✓	✓		✓			✓		
Pender Islands	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Penticton	✓	✓		✓	✓		✓	✓		✓			✓		
Pineview	✓	✓		✓	✓		✓	✓		✓			✓		
Port Alberni	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Port Alice	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Port Clements	✓	✓		✓	✓		✓	✓		✓			✓		
Port Edward	✓	✓		✓	✓		✓	✓		✓			✓		
Port Hardy	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Port McNeill	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Port Renfrew	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Port Simpson	✓	✓		✓	✓		✓	✓		✓			✓		
Pouce Coupe	✓	✓		✓	✓		✓	✓		✓			✓		
Prespatou	✓	✓		✓	✓		✓	✓		✓			✓		
Prince George	✓	✓		✓	✓		✓	✓		✓			✓		
Prince Rupert	✓	✓		✓	✓		✓	✓		✓			✓		
Princeton	✓	✓		✓	✓		✓	✓		✓			✓		
Pritchard	✓	✓		✓	✓		✓	✓		✓			✓		
Prophet River	✓	✓		✓	✓		✓	✓		✓			✓		
Puntzi	✓	✓		✓	✓		✓	✓		✓			✓		
Quadra Island	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Qualicum	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Queen Charlotte	✓	✓		✓	✓		✓	✓		✓			✓		
Quesnel	✓	✓		✓	✓		✓	✓		✓			✓		
Radium	✓	✓		✓	✓		✓	✓		✓			✓		
Red Rock	✓	✓		✓	✓		✓	✓		✓			✓		
Revelstoke	✓	✓		✓	✓		✓	✓		✓			✓		
Riondel	✓	✓		✓	✓		✓	✓		✓			✓		

Plans Exchange Area	1			2			3			4			5		
	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA
Riske Creek	✓	✓		✓	✓		✓	✓		✓			✓		
Rock Creek	✓	✓		✓	✓		✓	✓		✓			✓		
Rolla	✓	✓		✓	✓		✓	✓		✓			✓		
Rossland	✓	✓		✓	✓		✓	✓		✓			✓		
Rutland	✓	✓		✓	✓		✓	✓		✓			✓		
Saanich	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Salmo	✓	✓		✓	✓		✓	✓		✓			✓		
Salmon Arm	✓	✓		✓	✓		✓	✓		✓			✓		
Salmon Valley	✓	✓		✓	✓		✓	✓		✓			✓		
Sandspit	✓	✓		✓	✓		✓	✓		✓			✓		
Savona	✓	✓		✓	✓		✓	✓		✓			✓		
Sayward	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Shalalth	✓	✓		✓	✓		✓	✓		✓			✓		
Sicamous	✓	✓		✓	✓		✓	✓		✓			✓		
Skookumchuck	✓	✓		✓	✓		✓	✓		✓			✓		
Slocan	✓	✓		✓	✓		✓	✓		✓			✓		
Smithers	✓	✓		✓	✓		✓	✓		✓			✓		
Sointula	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Sooke	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Sorrento	✓	✓		✓	✓		✓	✓		✓			✓		
South Kamloops	✓	✓		✓	✓		✓	✓		✓			✓		
South Slocan	✓	✓		✓	✓		✓	✓		✓			✓		
Sparwood	✓	✓		✓	✓		✓	✓		✓			✓		
Spences Bridge	✓	✓		✓	✓		✓	✓		✓			✓		
Spillimacheen	✓	✓		✓	✓		✓	✓		✓			✓		
Stewart	✓	✓		✓	✓		✓	✓		✓			✓		
Summerland	✓	✓		✓	✓		✓	✓		✓			✓		
Summit Lake	✓	✓		✓	✓		✓	✓		✓			✓		
Summit Pass	✓	✓		✓	✓		✓	✓		✓			✓		
Tachie	✓	✓		✓	✓		✓	✓		✓			✓		
Tahsis	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Tappen	✓	✓		✓	✓		✓	✓		✓			✓		
Tatla Lake	✓	✓		✓	✓		✓	✓		✓			✓		
Taylor	✓	✓		✓	✓		✓	✓		✓			✓		
Telegraph Creek	✓	✓		✓	✓		✓	✓		✓			✓		
Telkwa	✓	✓		✓	✓		✓	✓		✓			✓		
Terrace	✓	✓		✓	✓		✓	✓		✓			✓		
Thrums	✓	✓		✓	✓		✓	✓		✓			✓		
Toad River	✓	✓		✓	✓		✓	✓		✓			✓		
Tofino	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Topley	✓	✓		✓	✓		✓	✓		✓			✓		
Trail	✓	✓		✓	✓		✓	✓		✓			✓		
Trout Lake	✓	✓		✓	✓		✓	✓		✓			✓		
Tsay Keh Dene	✓	✓		✓	✓		✓	✓		✓			✓		
Tumbler Ridge	✓	✓		✓	✓		✓	✓		✓			✓		
Ucluelet	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Union Bay	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Valemount	✓	✓		✓	✓		✓	✓		✓			✓		
Vallican	✓	✓		✓	✓		✓	✓		✓			✓		
Vanderhoof	✓	✓		✓	✓		✓	✓		✓			✓		
Vanway	✓	✓		✓	✓		✓	✓		✓			✓		

Plans Exchange Area	1			2			3			4			5		
	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA
Vavenby	✓	✓		✓	✓		✓	✓		✓			✓		
Vernon	✓	✓		✓	✓		✓	✓		✓			✓		
Victoria	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Wellington	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Wells	✓	✓		✓	✓		✓	✓		✓			✓		
Westbank	✓	✓		✓	✓		✓	✓		✓			✓		
Westsyde	✓	✓		✓	✓		✓	✓		✓			✓		
Westwold	✓	✓		✓	✓		✓	✓		✓			✓		
Wildwood	✓	✓		✓	✓		✓	✓		✓			✓		
Williams Lake	✓	✓		✓	✓		✓	✓		✓			✓		
Willow Point	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Willowbrook	✓	✓		✓	✓		✓	✓		✓			✓		
Winfield	✓	✓		✓	✓		✓	✓		✓			✓		
Winter Harbour	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Wonowon	✓	✓		✓	✓		✓	✓		✓			✓		
Woss Lake	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Wynndel	✓	✓		✓	✓		✓	✓		✓			✓		
Yahk	✓	✓		✓	✓		✓	✓		✓			✓		
Youbou	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Zeballos	✓	✓		✓	✓		✓	✓		✓	✓		✓		
Abbotsford	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
Agassiz	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
Aldergrove	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
Black Point	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
Boston Bar	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
Bowen Island	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
Britannia Beach	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
Chilliwack	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
Cloverdale	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
D'Arcy	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
Fort Langley	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
Gibsons	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
Haney	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
Hemlock Valley	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
Hope	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
Ladner	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
Langley	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
Mission	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
New Westminster	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
Newton	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
North Vancouver	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
Pemberton	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
Pender Harbour	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
Pitt meadows	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
Port Coquitlam	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
Port Mellon	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
Port Moody	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
Powell River	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
Richmond	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
Rosedale	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	
Sardis	✓		✓	✓		✓	✓		✓	✓	✓		✓	✓	

Plans	1			2			3			4			5		
	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA
Sechelt	✓		✓	✓		✓	✓		✓	✓		✓	✓		
Squamish	✓		✓	✓		✓	✓		✓	✓		✓	✓		
Vananda	✓		✓	✓		✓	✓		✓	✓		✓	✓		
Vancouver	✓		✓	✓		✓	✓		✓	✓		✓	✓		
West Vancouver	✓		✓	✓		✓	✓		✓	✓		✓	✓		
Westview	✓		✓	✓		✓	✓		✓	✓		✓	✓		
Whalley	✓		✓	✓		✓	✓		✓	✓		✓	✓		
Whistler	✓		✓	✓		✓	✓		✓	✓		✓	✓		
White Rock	✓		✓	✓		✓	✓		✓	✓		✓	✓		
Whonnock	✓		✓	✓		✓	✓		✓	✓		✓	✓		
Yale	✓		✓	✓		✓	✓		✓	✓		✓	✓		
Yarrow	✓		✓	✓		✓	✓		✓	✓		✓	✓		

**Table 1 (Continued) - NPA 250/604/778 Exchange Areas and Relief Plan Options**

Plans	6			7			8		
	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA
100 Mile House	✓	✓	✓	✓	✓		✓	✓	
108 Mile House	✓	✓	✓	✓	✓		✓	✓	
150 Mile House	✓	✓	✓	✓	✓		✓	✓	
70 Mile House	✓	✓	✓	✓	✓		✓	✓	
Ahousat	✓	✓	✓	✓	✓		✓	✓	
Aiyansh	✓	✓	✓	✓	✓		✓	✓	
Alert Bay	✓	✓	✓	✓	✓		✓	✓	
Alexis Creek	✓	✓	✓	✓	✓		✓	✓	
Alkali Lake	✓	✓	✓	✓	✓		✓	✓	
Armstrong	✓	✓	✓	✓	✓		✓	✓	
Ashcroft	✓	✓	✓	✓	✓		✓	✓	
Aspen Park	✓	✓	✓	✓	✓		✓	✓	
Atlin	✓	✓	✓	✓	✓		✓	✓	
Avola	✓	✓	✓	✓	✓		✓	✓	
Balfour	✓	✓	✓	✓	✓		✓	✓	
Bamfield	✓	✓	✓	✓	✓		✓	✓	
Barriere	✓	✓	✓	✓	✓		✓	✓	
Bear Lake	✓	✓	✓	✓	✓		✓	✓	
Beaver Cove	✓	✓	✓	✓	✓		✓	✓	
Beaver Valley	✓	✓	✓	✓	✓		✓	✓	
Beaverdell	✓	✓	✓	✓	✓		✓	✓	
Bella Bella	✓	✓	✓	✓	✓		✓	✓	
Bella Coola	✓	✓	✓	✓	✓		✓	✓	
Blueberry	✓	✓	✓	✓	✓		✓	✓	
Blue River	✓	✓	✓	✓	✓		✓	✓	
Bob Quinn Lake	✓	✓	✓	✓	✓		✓	✓	
Boswell	✓	✓	✓	✓	✓		✓	✓	
Bouchie Lake	✓	✓	✓	✓	✓		✓	✓	
Bowser	✓	✓	✓	✓	✓		✓	✓	
Bridge Lake	✓	✓	✓	✓	✓		✓	✓	
Burns Lake	✓	✓	✓	✓	✓		✓	✓	
Cache Creek	✓	✓	✓	✓	✓		✓	✓	

Plans Exchange Area	6			7			8		
	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA
Campbell River	✓	✓	✓	✓	✓		✓	✓	
Canal Flats	✓	✓	✓	✓	✓		✓	✓	
Castlegar	✓	✓	✓	✓	✓		✓	✓	
Cedar	✓	✓	✓	✓	✓		✓	✓	
Celista	✓	✓	✓	✓	✓		✓	✓	
Chase	✓	✓	✓	✓	✓		✓	✓	
Chemainus	✓	✓	✓	✓	✓		✓	✓	
Chetwynd	✓	✓	✓	✓	✓		✓	✓	
Chief Lake	✓	✓	✓	✓	✓		✓	✓	
Chilako	✓	✓	✓	✓	✓		✓	✓	
Christina Lake	✓	✓	✓	✓	✓		✓	✓	
Clearwater	✓	✓	✓	✓	✓		✓	✓	
Clinton	✓	✓	✓	✓	✓		✓	✓	
Cluculz Lake	✓	✓	✓	✓	✓		✓	✓	
Cobble Hill	✓	✓	✓	✓	✓		✓	✓	
Comox	✓	✓	✓	✓	✓		✓	✓	
Cortez Island	✓	✓	✓	✓	✓		✓	✓	
Courtenay	✓	✓	✓	✓	✓		✓	✓	
Cranbrook	✓	✓	✓	✓	✓		✓	✓	
Crawford Bay	✓	✓	✓	✓	✓		✓	✓	
Creston	✓	✓	✓	✓	✓		✓	✓	
Cumberland	✓	✓	✓	✓	✓		✓	✓	
Dallas	✓	✓	✓	✓	✓		✓	✓	
Dawson Creek	✓	✓	✓	✓	✓		✓	✓	
Dease Lake	✓	✓	✓	✓	✓		✓	✓	
Decker Lake	✓	✓	✓	✓	✓		✓	✓	
Donald	✓	✓	✓	✓	✓		✓	✓	
Douglas Lake	✓	✓	✓	✓	✓		✓	✓	
Dragon Lake	✓	✓	✓	✓	✓		✓	✓	
Duncan	✓	✓	✓	✓	✓		✓	✓	
Duncan Lake	✓	✓	✓	✓	✓		✓	✓	
Dunster	✓	✓	✓	✓	✓		✓	✓	
East Pine	✓	✓	✓	✓	✓		✓	✓	
Elkford	✓	✓	✓	✓	✓		✓	✓	
Elko	✓	✓	✓	✓	✓		✓	✓	
Enderby	✓	✓	✓	✓	✓		✓	✓	
Fairmont Hot Springs	✓	✓	✓	✓	✓		✓	✓	
Falkland	✓	✓	✓	✓	✓		✓	✓	
Fauquier	✓	✓	✓	✓	✓		✓	✓	
Fernie	✓	✓	✓	✓	✓		✓	✓	
Field	✓	✓	✓	✓	✓		✓	✓	
Flatrock	✓	✓	✓	✓	✓		✓	✓	
Forest Grove	✓	✓	✓	✓	✓		✓	✓	
Fort Fraser	✓	✓	✓	✓	✓		✓	✓	
Fort Nelson	✓	✓	✓	✓	✓		✓	✓	
Fort St. James	✓	✓	✓	✓	✓		✓	✓	
Fort St. John	✓	✓	✓	✓	✓		✓	✓	
Fort Ware	✓	✓	✓	✓	✓		✓	✓	
Francois Lake	✓	✓	✓	✓	✓		✓	✓	
Fraser Lake	✓	✓	✓	✓	✓		✓	✓	
Fruitvale	✓	✓	✓	✓	✓		✓	✓	

Plans Exchange Area	6			7			8		
	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA
Fulford Harbour	✓	✓	✓	✓	✓		✓	✓	
Gabriola Island	✓	✓	✓	✓	✓		✓	✓	
Ganges	✓	✓	✓	✓	✓		✓	✓	
Genelle	✓	✓	✓	✓	✓		✓	✓	
Giscome	✓	✓	✓	✓	✓		✓	✓	
Gold Bridge	✓	✓	✓	✓	✓		✓	✓	
Gold River	✓	✓	✓	✓	✓		✓	✓	
Golden	✓	✓	✓	✓	✓		✓	✓	
Good Hope Lake	✓	✓	✓	✓	✓		✓	✓	
Grand Forks	✓	✓	✓	✓	✓		✓	✓	
Granisle	✓	✓	✓	✓	✓		✓	✓	
Grasmere	✓	✓	✓	✓	✓		✓	✓	
Grassy Plains	✓	✓	✓	✓	✓		✓	✓	
Greenville	✓	✓	✓	✓	✓		✓	✓	
Greenwood	✓	✓	✓	✓	✓		✓	✓	
Gulf Islands	✓	✓	✓	✓	✓		✓	✓	
Hagensborg	✓	✓	✓	✓	✓		✓	✓	
Hansard	✓	✓	✓	✓	✓		✓	✓	
Hartley Bay	✓	✓	✓	✓	✓		✓	✓	
Hartway	✓	✓	✓	✓	✓		✓	✓	
Hazelton	✓	✓	✓	✓	✓		✓	✓	
Hedley	✓	✓	✓	✓	✓		✓	✓	
Hendrix Lake	✓	✓	✓	✓	✓		✓	✓	
Hixon	✓	✓	✓	✓	✓		✓	✓	
Holberg	✓	✓	✓	✓	✓		✓	✓	
Horsefly	✓	✓	✓	✓	✓		✓	✓	
Houston	✓	✓	✓	✓	✓		✓	✓	
Hudson's Hope	✓	✓	✓	✓	✓		✓	✓	
Invermere	✓	✓	✓	✓	✓		✓	✓	
Iskut	✓	✓	✓	✓	✓		✓	✓	
Jaffray	✓	✓	✓	✓	✓		✓	✓	
Jordan River	✓	✓	✓	✓	✓		✓	✓	
Kaslo	✓	✓	✓	✓	✓		✓	✓	
Kelowna	✓	✓	✓	✓	✓		✓	✓	
Keremeos	✓	✓	✓	✓	✓		✓	✓	
Kimberley	✓	✓	✓	✓	✓		✓	✓	
Kincolith	✓	✓	✓	✓	✓		✓	✓	
Kitimat	✓	✓	✓	✓	✓		✓	✓	
Kitkatla	✓	✓	✓	✓	✓		✓	✓	
Kitsault	✓	✓	✓	✓	✓		✓	✓	
Kitwanga	✓	✓	✓	✓	✓		✓	✓	
Klemtu	✓	✓	✓	✓	✓		✓	✓	
Kyuquot	✓	✓	✓	✓	✓		✓	✓	
Lac la Hache	✓	✓	✓	✓	✓		✓	✓	
Ladysmith	✓	✓	✓	✓	✓		✓	✓	
Lake Cowichan	✓	✓	✓	✓	✓		✓	✓	
Lakelse	✓	✓	✓	✓	✓		✓	✓	
Lakeview Heights	✓	✓	✓	✓	✓		✓	✓	
Lantzville	✓	✓	✓	✓	✓		✓	✓	
Lasqueti Island	✓	✓	✓	✓	✓		✓	✓	
Likely	✓	✓	✓	✓	✓		✓	✓	

Plans Exchange Area	6			7			8		
	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA
Lillooet	✓	✓	✓	✓	✓		✓	✓	
Little Fort	✓	✓	✓	✓	✓		✓	✓	
Logan Lake	✓	✓	✓	✓	✓		✓	✓	
Loos (Radio Term.)	✓	✓	✓	✓	✓		✓	✓	
Lower Post	✓	✓	✓	✓	✓		✓	✓	
Lumby	✓	✓	✓	✓	✓		✓	✓	
Lytton	✓	✓	✓	✓	✓		✓	✓	
Mackenzie	✓	✓	✓	✓	✓		✓	✓	
Manning Park	✓	✓	✓	✓	✓		✓	✓	
Masset	✓	✓	✓	✓	✓		✓	✓	
McBride	✓	✓	✓	✓	✓		✓	✓	
McLeese Lake	✓	✓	✓	✓	✓		✓	✓	
McLeod Lake	✓	✓	✓	✓	✓		✓	✓	
Merritt	✓	✓	✓	✓	✓		✓	✓	
Mica Creek	✓	✓	✓	✓	✓		✓	✓	
Midway	✓	✓	✓	✓	✓		✓	✓	
Montney	✓	✓	✓	✓	✓		✓	✓	
Mould Creek	✓	✓	✓	✓	✓		✓	✓	
Moyie	✓	✓	✓	✓	✓		✓	✓	
Muncho Lake	✓	✓	✓	✓	✓		✓	✓	
Nakusp	✓	✓	✓	✓	✓		✓	✓	
Nanaimo	✓	✓	✓	✓	✓		✓	✓	
Nanoose	✓	✓	✓	✓	✓		✓	✓	
Naramata	✓	✓	✓	✓	✓		✓	✓	
Nelson	✓	✓	✓	✓	✓		✓	✓	
New Denver	✓	✓	✓	✓	✓		✓	✓	
Nimpo Lake	✓	✓	✓	✓	✓		✓	✓	
North Kamloops	✓	✓	✓	✓	✓		✓	✓	
North Nelson	✓	✓	✓	✓	✓		✓	✓	
Ocean Falls	✓	✓	✓	✓	✓		✓	✓	
Okanagan Falls	✓	✓	✓	✓	✓		✓	✓	
Okanagan Mission	✓	✓	✓	✓	✓		✓	✓	
Oliver	✓	✓	✓	✓	✓		✓	✓	
Osoyoos	✓	✓	✓	✓	✓		✓	✓	
Oyama	✓	✓	✓	✓	✓		✓	✓	
Oyster Bay	✓	✓	✓	✓	✓		✓	✓	
Parksville	✓	✓	✓	✓	✓		✓	✓	
Parson	✓	✓	✓	✓	✓		✓	✓	
Peachland	✓	✓	✓	✓	✓		✓	✓	
Pender Islands	✓	✓	✓	✓	✓		✓	✓	
Penticton	✓	✓	✓	✓	✓		✓	✓	
Pineview	✓	✓	✓	✓	✓		✓	✓	
Port Alberni	✓	✓	✓	✓	✓		✓	✓	
Port Alice	✓	✓	✓	✓	✓		✓	✓	
Port Clements	✓	✓	✓	✓	✓		✓	✓	
Port Edward	✓	✓	✓	✓	✓		✓	✓	
Port Hardy	✓	✓	✓	✓	✓		✓	✓	
Port McNeill	✓	✓	✓	✓	✓		✓	✓	
Port Renfrew	✓	✓	✓	✓	✓		✓	✓	
Port Simpson	✓	✓	✓	✓	✓		✓	✓	
Pouce Coupe	✓	✓	✓	✓	✓		✓	✓	

Plans Exchange Area	6			7			8		
	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA
Prespatou	✓	✓	✓	✓	✓		✓	✓	
Prince George	✓	✓	✓	✓	✓		✓	✓	
Prince Rupert	✓	✓	✓	✓	✓		✓	✓	
Princeton	✓	✓	✓	✓	✓		✓	✓	
Pritchard	✓	✓	✓	✓	✓		✓	✓	
Prophet River	✓	✓	✓	✓	✓		✓	✓	
Puntzi	✓	✓	✓	✓	✓		✓	✓	
Quadra Island	✓	✓	✓	✓	✓		✓	✓	
Qualicum	✓	✓	✓	✓	✓		✓	✓	
Queen Charlotte	✓	✓	✓	✓	✓		✓	✓	
Quesnel	✓	✓	✓	✓	✓		✓	✓	
Radium	✓	✓	✓	✓	✓		✓	✓	
Red Rock	✓	✓	✓	✓	✓		✓	✓	
Revelstoke	✓	✓	✓	✓	✓		✓	✓	
Riondel	✓	✓	✓	✓	✓		✓	✓	
Riske Creek	✓	✓	✓	✓	✓		✓	✓	
Rock Creek	✓	✓	✓	✓	✓		✓	✓	
Rolla	✓	✓	✓	✓	✓		✓	✓	
Rosland	✓	✓	✓	✓	✓		✓	✓	
Rutland	✓	✓	✓	✓	✓		✓	✓	
Saanich	✓	✓	✓	✓	✓		✓	✓	
Salmo	✓	✓	✓	✓	✓		✓	✓	
Salmon Arm	✓	✓	✓	✓	✓		✓	✓	
Salmon Valley	✓	✓	✓	✓	✓		✓	✓	
Sandspit	✓	✓	✓	✓	✓		✓	✓	
Savona	✓	✓	✓	✓	✓		✓	✓	
Sayward	✓	✓	✓	✓	✓		✓	✓	
Shalalth	✓	✓	✓	✓	✓		✓	✓	
Sicamous	✓	✓	✓	✓	✓		✓	✓	
Skookumchuck	✓	✓	✓	✓	✓		✓	✓	
Slocan	✓	✓	✓	✓	✓		✓	✓	
Smithers	✓	✓	✓	✓	✓		✓	✓	
Sointula	✓	✓	✓	✓	✓		✓	✓	
Sooke	✓	✓	✓	✓	✓		✓	✓	
Sorrento	✓	✓	✓	✓	✓		✓	✓	
South Kamloops	✓	✓	✓	✓	✓		✓	✓	
South Slocan	✓	✓	✓	✓	✓		✓	✓	
Sparwood	✓	✓	✓	✓	✓		✓	✓	
Spences Bridge	✓	✓	✓	✓	✓		✓	✓	
Spillimacheen	✓	✓	✓	✓	✓		✓	✓	
Stewart	✓	✓	✓	✓	✓		✓	✓	
Summerland	✓	✓	✓	✓	✓		✓	✓	
Summit Lake	✓	✓	✓	✓	✓		✓	✓	
Summit Pass	✓	✓	✓	✓	✓		✓	✓	
Tachie	✓	✓	✓	✓	✓		✓	✓	
Tahsis	✓	✓	✓	✓	✓		✓	✓	
Tappen	✓	✓	✓	✓	✓		✓	✓	
Tatla Lake	✓	✓	✓	✓	✓		✓	✓	
Taylor	✓	✓	✓	✓	✓		✓	✓	
Telegraph Creek	✓	✓	✓	✓	✓		✓	✓	
Telkwa	✓	✓	✓	✓	✓		✓	✓	

Plans Exchange Area	6			7			8		
	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA
Terrace	✓	✓	✓	✓	✓		✓	✓	
Thrums	✓	✓	✓	✓	✓		✓	✓	
Toad River	✓	✓	✓	✓	✓		✓	✓	
Tofino	✓	✓	✓	✓	✓		✓	✓	
Topley	✓	✓	✓	✓	✓		✓	✓	
Trail	✓	✓	✓	✓	✓		✓	✓	
Trout Lake	✓	✓	✓	✓	✓		✓	✓	
Tsay Keh Dene	✓	✓	✓	✓	✓		✓	✓	
Tumbler Ridge	✓	✓	✓	✓	✓		✓	✓	
Ucluelet	✓	✓	✓	✓	✓		✓	✓	
Union Bay	✓	✓	✓	✓	✓		✓	✓	
Valemount	✓	✓	✓	✓	✓		✓	✓	
Vallican	✓	✓	✓	✓	✓		✓	✓	
Vanderhoof	✓	✓	✓	✓	✓		✓	✓	
Vanway	✓	✓	✓	✓	✓		✓	✓	
Vavenby	✓	✓	✓	✓	✓		✓	✓	
Vernon	✓	✓	✓	✓	✓		✓	✓	
Victoria	✓	✓	✓	✓	✓		✓	✓	
Wellington	✓	✓	✓	✓	✓		✓	✓	
Wells	✓	✓	✓	✓	✓		✓	✓	
Westbank	✓	✓	✓	✓	✓		✓	✓	
Westsyde	✓	✓	✓	✓	✓		✓	✓	
Westwold	✓	✓	✓	✓	✓		✓	✓	
Wildwood	✓	✓	✓	✓	✓		✓	✓	
Williams Lake	✓	✓	✓	✓	✓		✓	✓	
Willow Point	✓	✓	✓	✓	✓		✓	✓	
Willowbrook	✓	✓	✓	✓	✓		✓	✓	
Winfield	✓	✓	✓	✓	✓		✓	✓	
Winter Harbour	✓	✓	✓	✓	✓		✓	✓	
Wonowon	✓	✓	✓	✓	✓		✓	✓	
Woss Lake	✓	✓	✓	✓	✓		✓	✓	
Wynndel	✓	✓	✓	✓	✓		✓	✓	
Yahk	✓	✓	✓	✓	✓		✓	✓	
Youbou	✓	✓	✓	✓	✓		✓	✓	
Zeballos	✓	✓	✓	✓	✓		✓	✓	
Abbotsford	✓	✓	✓	✓	✓			✓	
Agassiz	✓	✓	✓	✓	✓			✓	
Aldergrove	✓	✓	✓	✓	✓			✓	
Black Point	✓	✓	✓	✓	✓			✓	
Boston Bar	✓	✓	✓	✓	✓			✓	
Bowen Island	✓	✓	✓	✓	✓			✓	
Britannia Beach	✓	✓	✓	✓	✓			✓	
Chilliwack	✓	✓	✓	✓	✓			✓	
Cloverdale	✓	✓	✓	✓	✓			✓	
D'Arcy	✓	✓	✓	✓	✓			✓	
Fort Langley	✓	✓	✓	✓	✓			✓	
Gibsons	✓	✓	✓	✓	✓			✓	
Haney	✓	✓	✓	✓	✓			✓	
Hemlock Valley	✓	✓	✓	✓	✓			✓	
Hope	✓	✓	✓	✓	✓			✓	
Ladner	✓	✓	✓	✓	✓			✓	

Plans Exchange Area	6			7			8		
	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA	778 NPA	236 NPA	New NPA
Langley	✓	✓	✓	✓	✓			✓	
Mission	✓	✓	✓	✓	✓			✓	
New Westminster	✓	✓	✓	✓	✓			✓	
Newton	✓	✓	✓	✓	✓			✓	
North Vancouver	✓	✓	✓	✓	✓			✓	
Pemberton	✓	✓	✓	✓	✓			✓	
Pender Harbour	✓	✓	✓	✓	✓			✓	
Pitt meadows	✓	✓	✓	✓	✓			✓	
Port Coquitlam	✓	✓	✓	✓	✓			✓	
Port Mellon	✓	✓	✓	✓	✓			✓	
Port Moody	✓	✓	✓	✓	✓			✓	
Powell River	✓	✓	✓	✓	✓			✓	
Richmond	✓	✓	✓	✓	✓			✓	
Rosedale	✓	✓	✓	✓	✓			✓	
Sardis	✓	✓	✓	✓	✓			✓	
Sechelt	✓	✓	✓	✓	✓			✓	
Squamish	✓	✓	✓	✓	✓			✓	
Vananda	✓	✓	✓	✓	✓			✓	
Vancouver	✓	✓	✓	✓	✓			✓	
West Vancouver	✓	✓	✓	✓	✓			✓	
Westview	✓	✓	✓	✓	✓			✓	
Whalley	✓	✓	✓	✓	✓			✓	
Whistler	✓	✓	✓	✓	✓			✓	
White Rock	✓	✓	✓	✓	✓			✓	
Whonnock	✓	✓	✓	✓	✓			✓	
Yale	✓	✓	✓	✓	✓			✓	
Yarrow	✓	✓	✓	✓	✓			✓	

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