

BC Used Oil Management Association

**Development of a User Intensity Matrix
for the Return Collection Facility
Incentive Program**

November 2016

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INTRODUCTION

Background

The Return Collection Facility (“RCF”) incentive program began in 2011 as a means to ensure sufficient options were available across the province for the general public to return used oil and antifreeze at no charge. In order to achieve this objective, the British Columbia Used Oil Management Association (“BCUOMA”) pays an incentive to a number of pre-approved facilities, notably retailers, oil change stations, local governments and non-profit recycling organizations, for the collection of oil and antifreeze at various locations in British Columbia (“BC”). In March 2016, MNP completed a review of the RCF program that identified a number of areas for future consideration, including revisiting the alignment of program funds with intended outcomes.

In October 2016, MNP was engaged by BCUOMA to undertake an analysis of the RCF incentive program with the goal of improving the design and delivery of the program. In particular, MNP was asked to develop the concept of a “user intensity matrix” that would consider minimum service levels across the province based on a set of community characteristics (e.g. population, income, and number of small commercial businesses) that corresponded to levels of need. As part of this work, the Stewardship Agencies of BC accessibility standard was re-examined in terms of its implications for the RCF program.

Approach

As part of the development of the user intensity matrix, MNP carried out the following activities:

- Collection of program data (including estimated DIY used oil volumes), economic data (such as the number of businesses registered) and demographic data (such as population and average income) at the community level, for each registered municipality in BC.
- Assessment of the data to determine key indicators that influence DIY used oil volumes across the province.
- Categorization of communities based on levels of need.
- Development of service standards for each type of community.
- Assessment of program coverage based on the user intensity approach.

OVERVIEW OF THE CURRENT STATE

Program Overview

The RCF incentive program began in 2011 as a means to ensure free and sufficient access to drop off facilities for used oil and antifreeze materials in the province of BC. The program is funded by an environmental handling fee charged on the initial sale of these products.

RCFs participating in the program include retailers, oil change stations, local governments and non-profit recycling organizations. As of 2014 there were 509 RCFs participating in the program. As of June 2016 (the most recent data available at the time of the study), 195 of those had submitted claims.

Currently, there is significant variation in the number of facilities available in each community. While some communities may be overserved, other communities may be underserved, such as rural and remote areas with high forestry, agriculture, mining, transportation and other activity.

Program Coverage

According to the Stewardship Agencies of BC 2013 Action Plan¹, the following benchmark applies to collection facility coverage for product stewardship plans:

- For rural communities with a population of 4,000 or more, it should be no more than a 45 minute drive to a collection facility.
- For urban communities with a population of 4,000 or more, there should be at most a 30 minute drive to a collection facility.

For the purpose of this benchmark, rural and urban communities are defined as follows:

- Rural communities are cities, towns, resort municipalities and district municipalities with a population of between 4,000 and 29,999 outside the Metro Vancouver and Capital Regional Districts; and
- Urban communities are cities, district municipalities and towns within the Metro Vancouver and Capital Regional Districts with a population of 4,000 or more, and cities and district municipalities with a population of 30,000 or more in the remainder of the province.

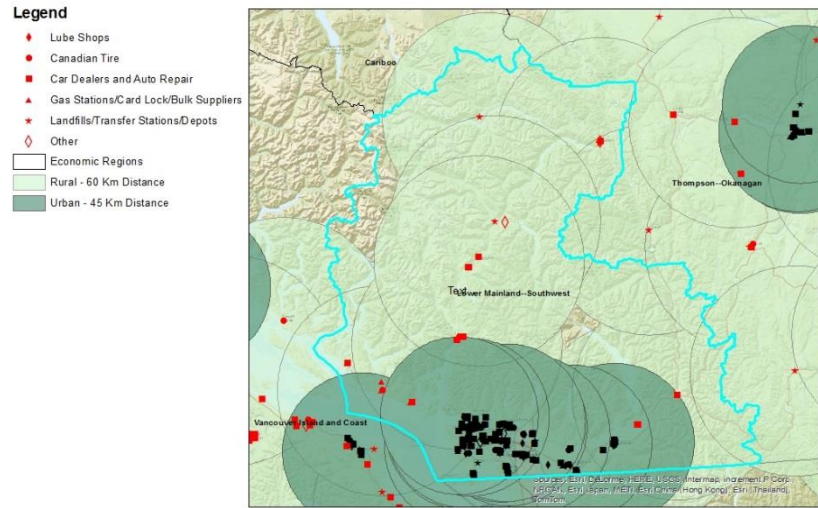
To assess the adequacy of RCF coverage in BC, MNP developed a coverage map for all rural and urban areas in our March 2016 report. A 45 km or 60 km radius was mapped around each facility to represent approximate driving times (45 km for urban facilities to represent a 30 minute driving distance, and 60 km for rural facilities to represent a 45 minute driving distance). The results of this mapping exercise are presented in Figure A-1 in Appendix A.

¹ Retrieved from http://www.bcrecycles.ca/assets/pdf/SABC_Action_Plan_Oct_16_Final.pdf

As shown in Figure A-1, all urban communities and almost all rural communities in BC were adequately covered by a collection facility within the Stewardship Agencies of BC guidelines, representing coverage of 99.5 percent of the total population for which this standard applies. The only exception appears in Northern BC, where a census subdivision with a population of over 4,000 is spread across a much larger geographical area.

However, as indicated in Figure 1, in certain areas of BC there appear to be more than a sufficient number of facilities. In the Lower Mainland/Southwest economic development region (and specifically in Greater Vancouver) there are a large number of registered facilities collecting used oil and antifreeze through the RCF incentive program.

Figure 1: Coverage of Return Collection Facilities in the Lower Mainland



USER INTENSITY APPROACH

Analysis Approach

To categorize communities according to level of need, our analysis considered the relationship between the estimated volume of DIY oil collected in each community (based on program administrative data for the first half of 2016) and key economic and demographic characteristics of each community.

Key indicators considered in the analysis included:

- Population (from the 2011 Census)
- Population density per square kilometre (from the 2011 Census)
- Average income (from the 2011 National Household Survey)
- Number of registered business establishments in key sectors (from the Canadian Business Register)

A simple linear regression analysis indicated that population and the number of registered businesses were statistically significant indicators (or explanatory variables) for the estimated amount of DIY oil collected. Population density and average income were not statistically significant variables, or indicators to “predict” the amount of DIY oil generated by a community.

Community Types

As a starting point for categorizing communities, MNP relied on the most current list available of registered BC municipalities.² Each municipality was classified according to the following definitions from the BC Local Government Act:

- A village, if the population is not greater than 2,500.
- A town, if the population is greater than 2,500 but not greater than 5,000.
- A city, if the population is greater than 5,000.

To add the level of service required for small commercial businesses (encompassing agriculture, forestry, mining, oil and gas, and truck transportation), MNP identified the number of registered business establishments within each municipality according to the following North American Industry Classification System (NAICS) categories:

- Crop Production (NAICS 111)
- Forestry and Logging (NAICS 113)
- Oil and Gas Extraction (NAICS 211)
- Mining and Quarrying (Except Oil and Gas) (NAICS 212)
- Truck Transportation (NAICS 484)

Cities and towns with more than 50 business establishments in agriculture, forestry, mining, oil and gas, and truck transportation were classified as “high industrial”. Based on the above criteria, each municipality was categorized into one of six types as outlined in Table 1.

² Canada Revenue Agency. Retrieved from <http://www.cra-arc.gc.ca/chrts-gvng/qlfd-dns/qd-lstngs/mncplts-bc-lst-eng.html>

Table 1: Categorization of BC Municipalities by Type of Community

<i>Type of Community</i>	<i>Population Characteristics</i>	<i>Number of Business Establishments in Key Sectors</i>	<i>Number of Municipalities</i>	<i>Population (2011)³</i>
City, High Industrial	More than 5,000	More than 50	26	2,722,857
City, Low Industrial	More than 5,000	50 or less	48	1,024,930
Town, High Industrial	2,501 to 5,000	More than 50	4	19,136
Town, Low Industrial	2,501 to 5,000	50 or less	23	81,365
Village, High Industrial	2,500 or less	More than 50	0	0
Village, Low Industrial	2,500 or less	50 or less	60	67,075
Other	n/a	n/a	n/a	n/a
Total			161	3,915,363

Minimum Service Levels

In consultation with BCUOMA, the following minimum service levels were defined for each type of community, based on level of need.

Table 2: BCUOMA Minimum Service Levels by Type of Community

<i>Type of Community</i>	<i>Minimum Service Level</i>
City, High Industrial	One facility per 100,000 people
City, Low Industrial	One facility within a 30 minute drive
Town, High Industrial	One facility
Town, Low Industrial	One facility within a 30 minute drive
Village	One facility within a 45 minute drive, OR Round up event (twice per year)

Based on this criteria, cities and towns with higher levels of industrial activity would require at least one facility, with an increased level of service proportional to the size of the community (one per 100,000 people). Cities and towns with low levels of industrial activity would be serviced by at least one facility within a 30 minute drive. Villages with a population of 2,500 or less would be serviced by one facility within a 45 minute drive, or, if outside the proximity to a facility, be eligible for funding for up to two community collection or “round up” events per year.

³ Note that BC’s 161 municipalities represent approximately 89% of BC’s total population. Population data was unavailable for the Jumbo Glacier Resort Mountain Resort Municipality (incorporated in February 2013). Source: Statistics Canada, 2011 Census of Population

Coverage of the Program in the Province

To assess the coverage of the program under the revised minimum service levels, MNP used a geographic information system (GIS) software program to determine the minimum number of facilities that would be required. The mapping exercise is based on the following assumptions:

- Any municipality that is categorized as “City, high industrial” or “Town, high industrial” should have at least one facility, as well as one facility per 100,000 people.
- Any municipality that is categorized as “City, low industrial” or “Town, low industrial” should be within 30 km of a facility, or otherwise have its own facility.
- Any municipality that is categorized as “Village” should be within 45 km of a facility, or otherwise be eligible for a community collection or round up event twice per year.

The following table provides a summary of the results of the mapping exercise, along with the number of facilities required to achieve the minimum service level requirements. A more detailed summary of the minimum service level that would apply to each municipality and regional district is outlined in Table A-1 in Appendix A.

Table 3: Summary of BC Municipalities by Minimum Service Level and Facility Requirements

<i>Type of Community</i>	<i>Number of Municipalities with a Facility</i>	<i>Number of Municipalities within Driving Distance to a Facility</i>	<i>Number of Municipalities eligible for Round Up Events</i>	<i>Number of Facilities Required for Coverage</i>
City, High Industrial	26	0	0	42
City, Low Industrial	22	26	0	23 ⁴
Town, High Industrial	4	0	0	4
Town, Low Industrial	13	10	0	13
Village	0	19	41	0
Total	65	55	41	82

Figures A-2 through A-6 in Appendix A highlight the revised RCF program coverage based on the user intensity approach. From this, MNP estimates that approximately 99.0 percent⁵ of the total population in BC living in a municipality would be within driving distance to a facility (the only exception would be approximately 41,072 people within the 41 communities eligible for round up events, each with a population of 2,500 or less).

This analysis suggests that the total number of collection facilities in the province could be reduced while still achieving provincial coverage.

⁴ An additional facility was added to the Capital Regional District to allow for more than one facility servicing a large population (greater than 100,000).

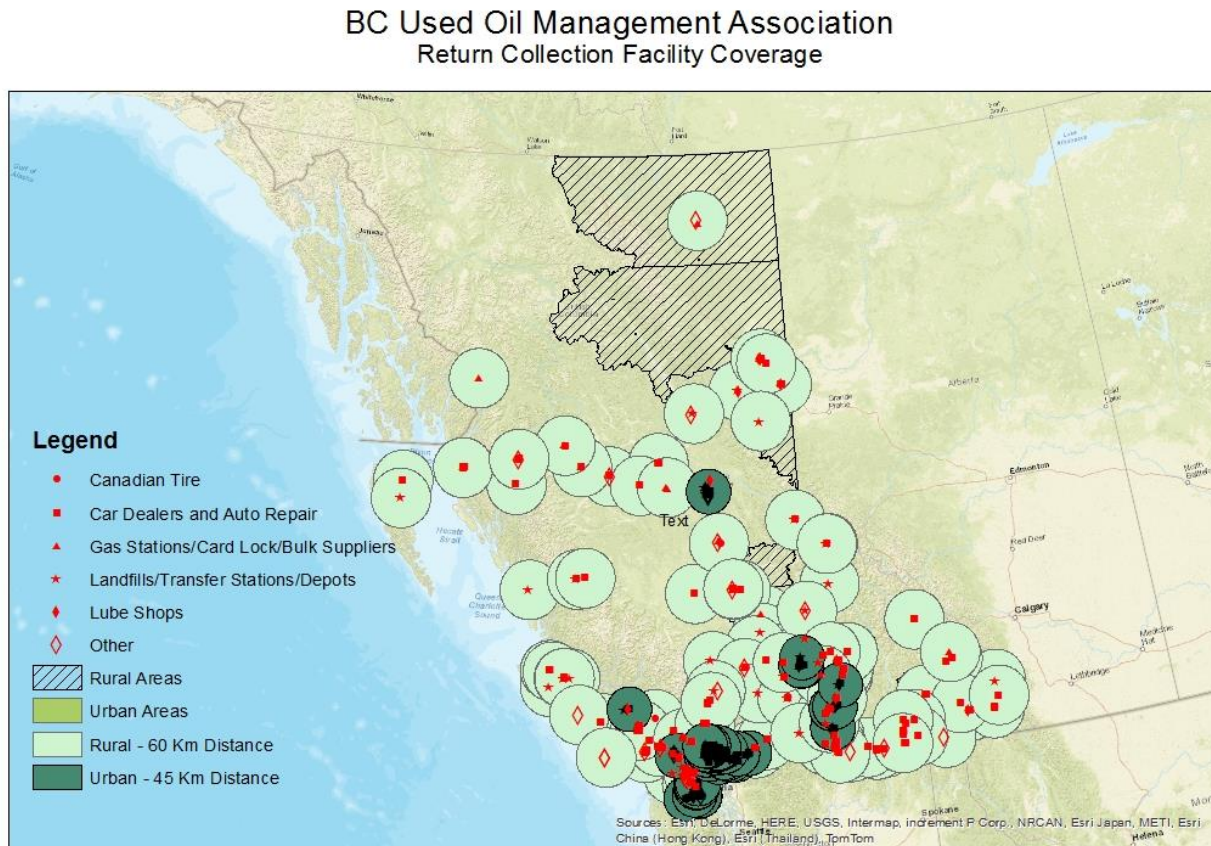
⁵ Included within this estimate is the total population of the Northern Rockies District Municipality. As this municipality covers a large geographic area, the entire population (approximately 5,290 in 2011) may not be within driving distance to a facility. One facility in Fort Nelson, however, would cover the majority of the population (about 3,902 in 2011).

APPENDIX A – SUPPLEMENTARY INFORMATION

Current Coverage of Return Collection Facilities in BC

Figure A-1 highlights the coverage of the 509 registered RCFs in BC, according to proximity to rural and urban communities, from MNP's March 2016 report. Note that all census subdivisions with a population of over 4,000 were included on the map.

Figure A-1: RCF Coverage of Urban and Rural Communities in BC



Revised Coverage of Return Collection Facilities in BC

Figures A-2 and A-3 highlight the revised coverage of the RCF program for each BC municipality based on a 45 km distance and a 30 km distance from each facility, respectively. Figures A-4 to A-6 provide insets of Figure A-3 for the Lower Mainland, Southern Vancouver Island and the Okanagan. Note that all BC municipalities, including those with a population of less than 2,500, have been included as part of the analysis.

Figure A-2: Revised RCF Coverage of BC Municipalities based on User Intensity Approach (45 km radius)

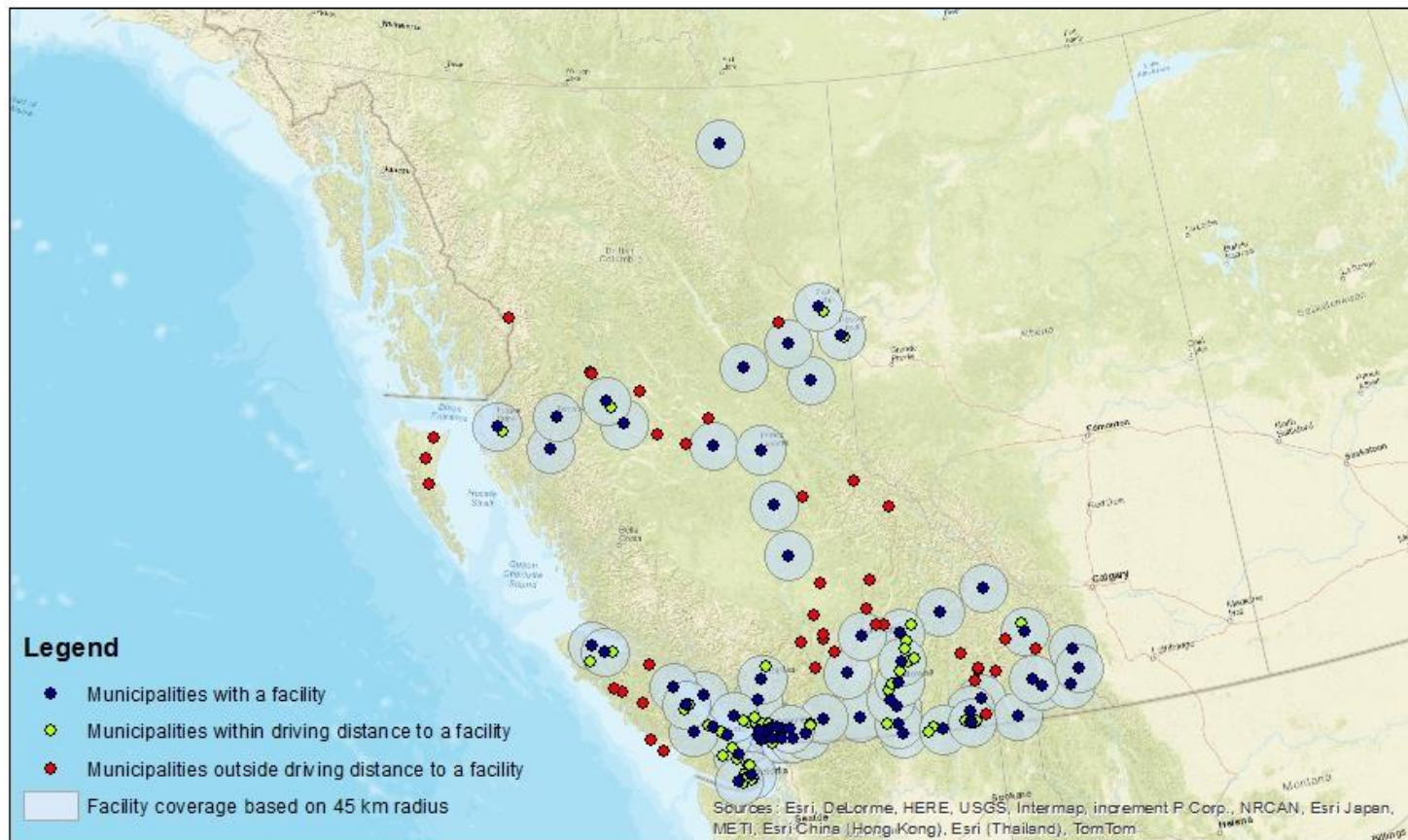


Figure A-3: Revised RCF Coverage of BC Municipalities based on User Intensity Approach (30 km radius)

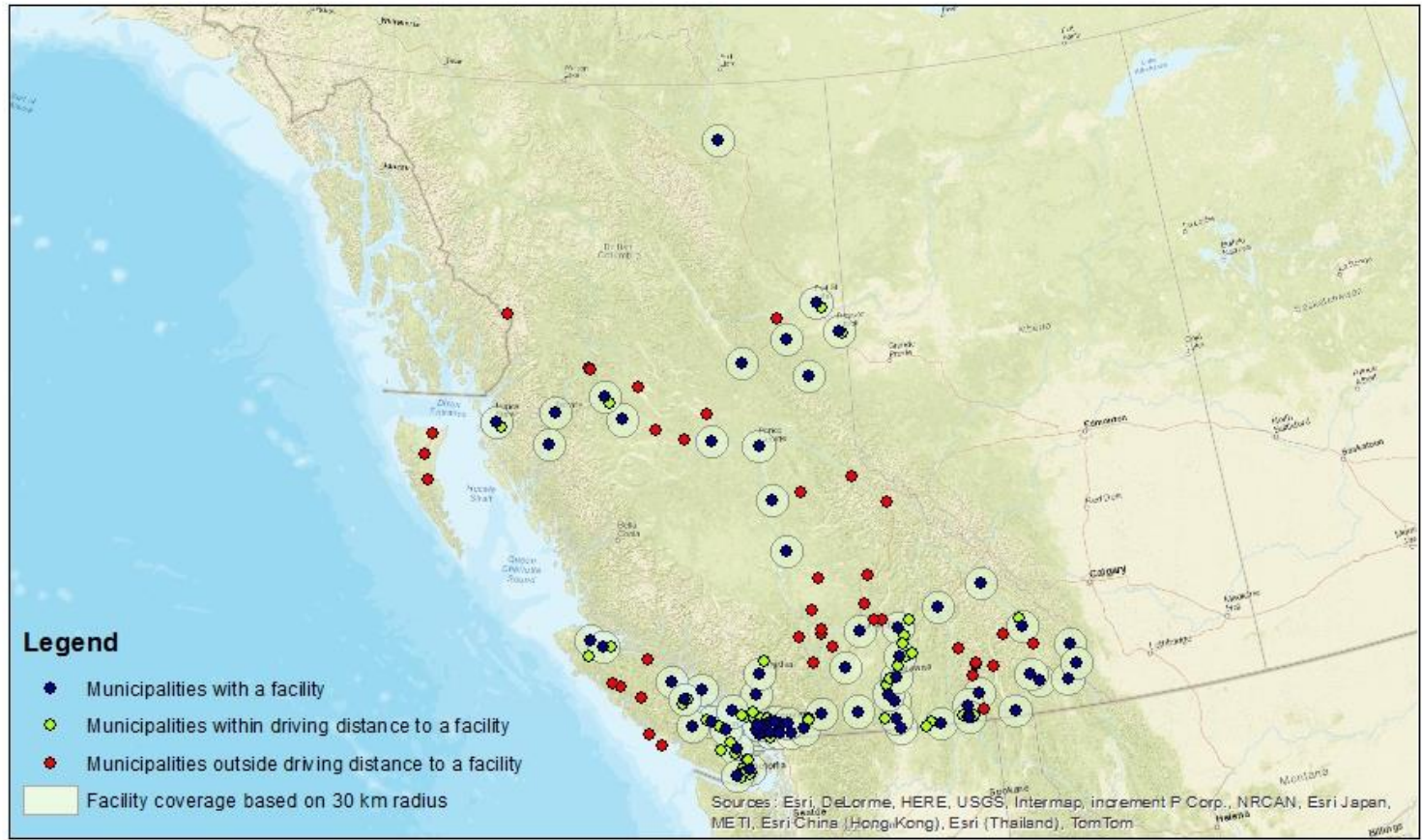


Figure A-4: Revised RCF Coverage of BC Municipalities in the Lower Mainland (30 km radius)

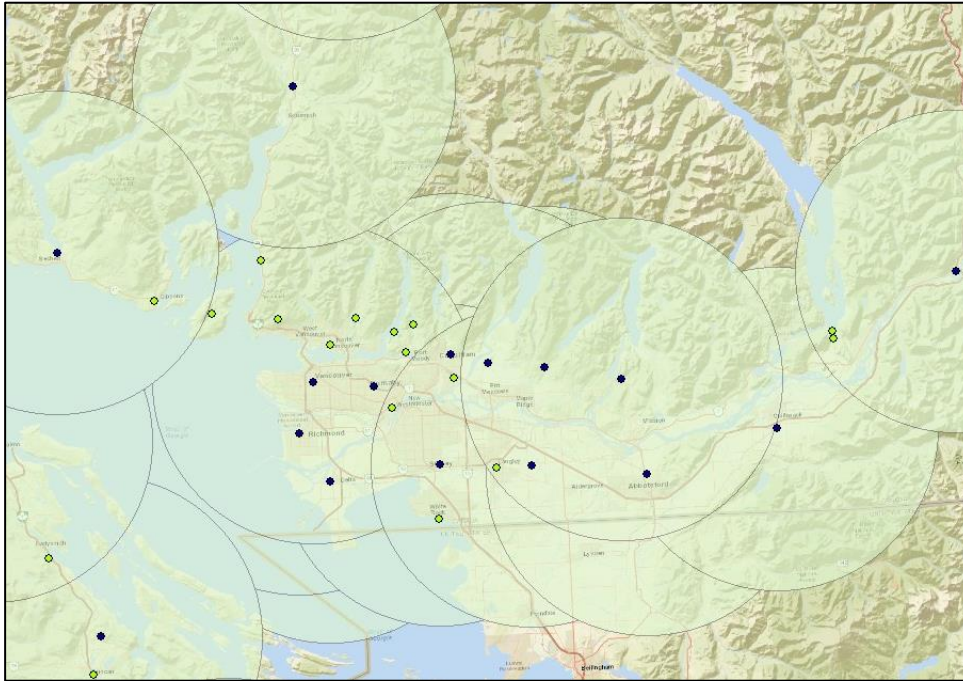


Figure A-5: Revised RCF Coverage of BC Municipalities in Southern Vancouver Island (30 km radius)

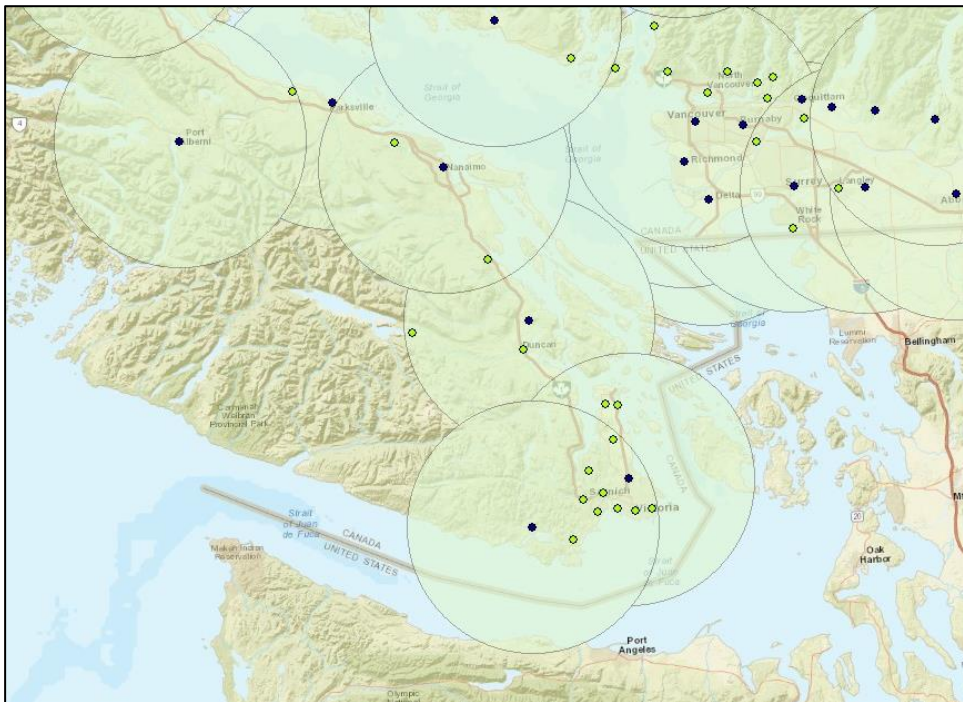
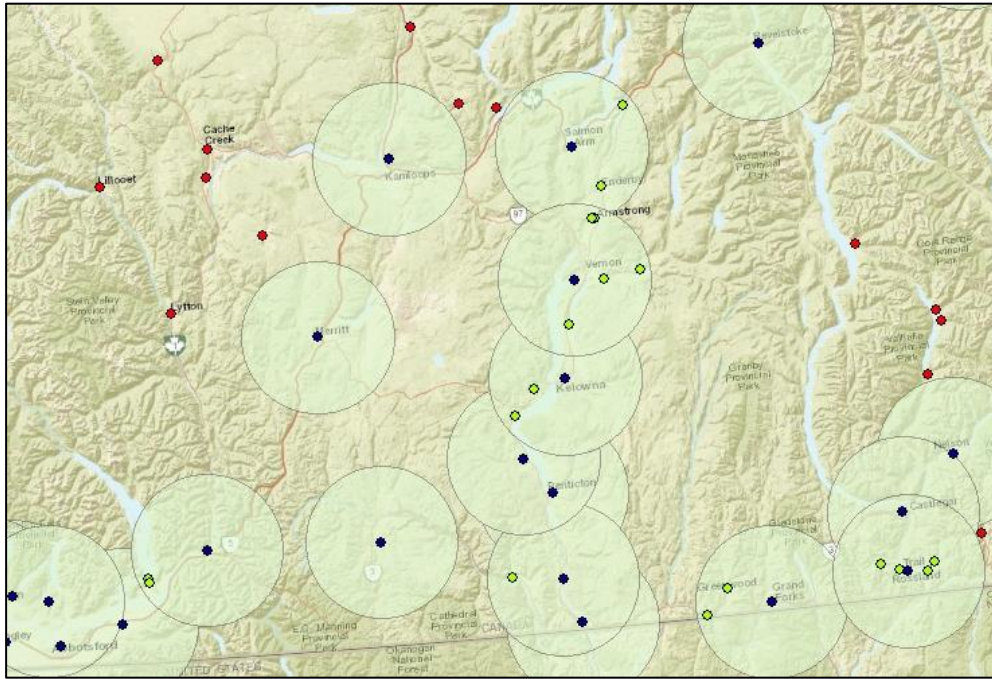


Figure A-6: Revised RCF Coverage of BC Municipalities in the Okanagan (30 km radius)



Community Listing

Table A-1: RCF Minimum Service Levels by Municipality and by Regional District

Community Name	Type	Population (2011)	Number of Registered Businesses in Key Sectors	Minimum Service Level	Number of Facilities Required	Estimated Annual DIY Volumes (L) ⁶
Bulkley Nechako Regional District						
Smithers	City, Low Industrial	5,404	47	One facility	1	20,000
Vanderhoof	Town, High Industrial	4,480	85	One facility	1	20,000
Houston	Town, Low Industrial	3,147	16	One facility	1	20,000
Burns Lake	Village, Low Industrial	2,029	27	Round up	0	2,000
Fort St. James	Village, Low Industrial	1,691	0	Round up	0	2,000
Telkwa	Village, Low Industrial	1,350	15	Within driving distance	0	0
Fraser Lake	Village, Low Industrial	1,167	0	Round up	0	2,000
Granisle	Village, Low Industrial	303	0	Round up	0	2,000
Total					3	68,000
Capital Regional District						
Saanich	City, Low Industrial	109,752	30	At least one facility ⁷	2	40,000
Victoria	City, Low Industrial	80,017	21	Within driving distance	0	0
Langford	City, Low Industrial	29,228	25	Within driving distance	0	0
Oak Bay	City, Low Industrial	18,015	4	Within driving distance	0	0
Esquimalt	City, Low Industrial	16,209	5	Within driving distance	0	0
Colwood	City, Low Industrial	16,093	7	Within driving distance	0	0
Central Saanich	City, Low Industrial	15,936	40	Within driving distance	0	0
Sooke	City, Low Industrial	11,435	10	One facility	1	20,000
Sidney	City, Low Industrial	11,178	3	Within driving distance	0	0
North Saanich	City, Low Industrial	11,089	17	Within driving distance	0	0
View Royal	City, Low Industrial	9,381	7	Within driving distance	0	0
Metchosin	Town, Low Industrial	4,803	7	Within driving distance	0	0
Highlands	Village, Low Industrial	2,120	1	Within driving distance	0	0
Total					3	60,000
Cariboo Regional District						
Williams Lake	City, High Industrial	10,832	80	One facility	1	20,000
Quesnel	City, High Industrial	10,007	54	One facility	1	20,000
One Hundred Mile House	Village, Low Industrial	1,886	28	Round up	0	2,000
Wells	Village, Low Industrial	245	0	Round up	0	2,000
Total					2	44,000

⁶ Estimated annual DIY volumes were calculated based on the following guidelines from BCUOMA: 20,000 litres per facility and 1,000 litres per community round up event.

⁷ An additional facility was added to allow for more than one facility servicing a large population (greater than 100,000).

Community Name	Type	Population (2011)	Number of Registered Businesses in Key Sectors	Minimum Service Level	Number of Facilities Required	Estimated Annual DIY Volumes (L) ⁶
Comox Valley Regional District						
Courtenay	City, Low Industrial	24,099	32	One facility	1	20,000
Comox	City, Low Industrial	13,627	13	Within driving distance	0	0
Cumberland	Town, Low Industrial	3,398	4	Within driving distance	0	0
Total					1	20,000
Cowichan Valley Regional District						
North Cowichan	City, High Industrial	28,807	53	One facility	1	20,000
Ladysmith	City, Low Industrial	7,921	10	Within driving distance	0	0
Duncan	Town, Low Industrial	4,932	10	Within driving distance	0	0
Lake Cowichan	Town, Low Industrial	2,974	10	Within driving distance	0	0
Total					1	20,000
Fraser Valley Regional District						
Abbotsford	City, High Industrial	133,497	759	One facility per 100,000	2	40,000
Chilliwack	City, High Industrial	77,936	193	One facility	1	20,000
Mission	City, High Industrial	36,426	78	One facility	1	20,000
Hope	City, Low Industrial	5,969	14	One facility	1	20,000
Kent	City, Low Industrial	5,664	21	Within driving distance	0	0
Harrison Hot Springs	Village, Low Industrial	1,468	1	Within driving distance	0	0
Total					5	100,000
Greater Vancouver Regional District						
Vancouver	City, High Industrial	603,502	233	One facility per 100,000	6	120,000
Surrey	City, High Industrial	468,251	1,137	One facility per 100,000	5	100,000
Burnaby	City, High Industrial	223,218	132	One facility per 100,000	3	60,000
Richmond	City, High Industrial	190,473	203	One facility per 100,000	2	40,000
Coquitlam	City, High Industrial	126,456	74	One facility per 100,000	2	40,000
Langley	City, High Industrial	104,177	359	One facility per 100,000	2	40,000
Delta	City, High Industrial	99,863	245	One facility	1	20,000
North Vancouver	City, Low Industrial	84,412	25	Within driving distance	0	0
Maple Ridge	City, High Industrial	76,052	93	One facility	1	20,000
New Westminster	City, Low Industrial	65,976	43	Within driving distance	0	0
Port Coquitlam	City, Low Industrial	56,342	45	Within driving distance	0	0
North Vancouver	City, Low Industrial	48,196	16	Within driving distance	0	0
West Vancouver	City, Low Industrial	42,694	9	Within driving distance	0	0
Port Moody	City, Low Industrial	32,975	9	Within driving distance	0	0
Langley	City, Low Industrial	25,081	19	Within driving distance	0	0
White Rock	City, Low Industrial	19,339	3	Within driving distance	0	0
Pitt Meadows	City, High Industrial	17,736	67	One facility	1	20,000
Bowen Island	Town, Low Industrial	3,402	5	Within driving distance	0	0

Community Name	Type	Population (2011)	Number of Registered Businesses in Key Sectors	Minimum Service Level	Number of Facilities Required	Estimated Annual DIY Volumes (L) ⁶
Anmore	Village, Low Industrial	2,092	1	Within driving distance	0	0
Lions Bay	Village, Low Industrial	1,318	1	Within driving distance	0	0
Belcarra	Village, Low Industrial	644	0	Within driving distance	0	0
Total					23	460,000
Kitimat Stikine Regional District						
Terrace	City, Low Industrial	11,486	30	One facility	1	20,000
Kitimat	City, Low Industrial	8,335	2	One facility	1	20,000
New Hazelton	Village, Low Industrial	666	8	Round up	0	2,000
Stewart	Village, Low Industrial	494	5	Round up	0	2,000
Hazelton	Village, Low Industrial	270	1	Round up	0	2,000
Total					2	46,000
Mount Waddington Regional District						
Port Hardy	Town, Low Industrial	4,008	24	One facility	1	20,000
Port McNeill	Town, Low Industrial	2,505	20	One facility	1	20,000
Port Alice	Village, Low Industrial	805	5	Round up	0	2,000
Alert Bay	Village, Low Industrial	445	0	Within driving distance	0	0
Total					2	42,000
Northern Rockies Regional District						
Northern Rockies	Town, High Industrial	4,987	51	One facility	1	20,000
Total					1	20,000
Peace River Regional District						
Fort St. John	City, High Industrial	18,609	203	One facility	1	20,000
Dawson Creek	City, High Industrial	11,583	52	One facility	1	20,000
Tumbler Ridge	Town, Low Industrial	2,710	3	One facility	1	20,000
Chetwynd	Town, Low Industrial	2,635	38	One facility	1	20,000
Taylor	Village, Low Industrial	1,373	27	Within driving distance	0	0
Hudson's Hope	Village, Low Industrial	970	0	Round up	0	2,000
Pouce Coupe	Village, Low Industrial	738	16	Within driving distance	0	0
Total					4	82,000
Powell River Regional District						
Powell River	City, High Industrial	13,165	54	One facility	1	20,000
Total					1	20,000
Regional District of Alberni-Clayoquot						
Port Alberni	City, Low Industrial	17,743	32	One facility	1	20,000
Tofino	Village, Low Industrial	1,876	0	Round up	0	2,000
Ucluelet	Village, Low Industrial	1,627	4	Round up	0	2,000
Total					1	24,000

Community Name	Type	Population (2011)	Number of Registered Businesses in Key Sectors	Minimum Service Level	Number of Facilities Required	Estimated Annual DIY Volumes (L) ⁶
Regional District of Central Kootenay						
Nelson	City, Low Industrial	10,230	9	One facility	1	20,000
Castlegar	City, Low Industrial	7,816	5	One facility	1	20,000
Creston	City, Low Industrial	5,306	48	One facility	1	20,000
Nakusp	Village, Low Industrial	1,569	13	Round up	0	2,000
Salmo	Village, Low Industrial	1,139	7	Within driving distance	0	0
Kaslo	Village, Low Industrial	1,026	0	Round up	0	2,000
New Denver	Village, Low Industrial	504	6	Round up	0	2,000
Slocan	Village, Low Industrial	296	0	Round up	0	2,000
Silverton	Village, Low Industrial	195	0	Round up	0	2,000
Total					3	70,000
Regional District of Central Okanagan						
Kelowna	City, High Industrial	117,312	196	At least one facility	2	40,000
West Kelowna	City, Low Industrial	30,892	30	Within driving distance	0	0
Lake Country	City, Low Industrial	11,708	49	Within driving distance	0	0
Peachland	City, Low Industrial	5,200	9	Within driving distance	0	0
Total					2	40,000
Regional District of Columbia-Shuswap						
Salmon Arm	City, Low Industrial	17,464	39	One facility	1	20,000
Revelstoke	City, Low Industrial	7,139	22	One facility	1	20,000
Golden	Town, Low Industrial	3,701	23	One facility	1	20,000
Sicamous	Village, Low Industrial	2,441	7	Within driving distance	0	0
Total					3	60,000
Regional District of East Kootenay						
Cranbrook	City, Low Industrial	19,319	36	One facility	1	20,000
Kimberley	City, Low Industrial	6,652	5	One facility	1	20,000
Fernie	Town, Low Industrial	4,448	9	One facility	1	20,000
Sparwood	Town, Low Industrial	3,667	12	One facility	1	20,000
Invermere	Town, Low Industrial	2,955	11	One facility	1	20,000
Elkford	Town, Low Industrial	2,523	2	One facility	1	20,000
Radium Hot Springs	Village, Low Industrial	777	3	Within driving distance	0	0
Canal Flats	Village, Low Industrial	715	5	Round up	0	2,000
Jumbo Glacier Mountain Resort Municipality	Village, Low Industrial	Unknown	Unknown	Round up	0	2,000
Total					6	124,000

Community Name	Type	Population (2011)	Number of Registered Businesses in Key Sectors	Minimum Service Level	Number of Facilities Required	Estimated Annual DIY Volumes (L) ⁶
Regional District of Fraser-Fort George						
Prince George	City, High Industrial	71,974	188	One facility	1	20,000
Mackenzie	Town, Low Industrial	3,507	20	One facility	1	20,000
Valemount	Village, Low Industrial	1,020	12	Round up	0	2,000
McBride	Village, Low Industrial	586	13	Round up	0	2,000
Total					2	44,000
Regional District of Kootenay Boundary						
Trail	City, Low Industrial	7,681	5	One facility	1	20,000
Grand Forks	Town, Low Industrial	3,985	14	One facility	1	20,000
Rossland	Town, Low Industrial	3,556	1	Within driving distance	0	0
Fruitvale	Village, Low Industrial	2,016	5	Within driving distance	0	0
Warfield	Village, Low Industrial	1,700	3	Within driving distance	0	0
Montrose	Village, Low Industrial	1,030	0	Within driving distance	0	0
Greenwood	Village, Low Industrial	708	1	Within driving distance	0	0
Midway	Village, Low Industrial	674	5	Round up	0	2,000
Total					2	42,000
Regional District of Nanaimo						
Nanaimo	City, High Industrial	83,810	74	One facility	1	20,000
Parksville	City, Low Industrial	11,977	10	One facility	1	20,000
Qualicum Beach	City, Low Industrial	8,687	11	Within driving distance	0	0
Lantzville	Town, Low Industrial	3,601	8	Within driving distance	0	0
Total					2	40,000
Regional District of North Okanagan						
Vernon	City, High Industrial	38,150	57	One facility	1	20,000
Coldstream	City, Low Industrial	10,314	24	Within driving distance	0	0
Spallumcheen	City, Low Industrial	5,055	14	Within driving distance	0	0
Armstrong	Town, Low Industrial	4,815	45	Within driving distance	0	0
Enderby	Town, Low Industrial	2,932	10	Within driving distance	0	0
Lumby	Village, Low Industrial	1,731	13	Within driving distance	0	0
Total					1	20,000
Regional District of Okanagan Similkameen						
Penticton	City, High Industrial	32,877	73	One facility	1	20,000
Summerland	City, High Industrial	11,280	62	One facility	1	20,000
Osoyoos	Town, High Industrial	4,845	64	One facility	1	20,000
Oliver	Town, High Industrial	4,824	113	One facility	1	20,000
Princeton	Town, Low Industrial	2,724	22	One facility	1	20,000
Keremeos	Village, Low Industrial	1,330	29	Round up	0	2,000
Total					5	102,000

Community Name	Type	Population (2011)	Number of Registered Businesses in Key Sectors	Minimum Service Level	Number of Facilities Required	Estimated Annual DIY Volumes (L) ⁶
Skeena-Queen Charlotte Regional District						
Prince Rupert	City, Low Industrial	12,508	9	One facility	1	20,000
Queen Charlotte	Village, Low Industrial	944	0	Round up	0	2,000
Masset	Village, Low Industrial	884	0	Round up	0	2,000
Port Edward	Village, Low Industrial	544	1	Within driving distance	0	0
Port Clements	Village, Low Industrial	378	7	Round up	0	2,000
Total					1	26,000
Squamish-Lillooet Regional District						
Squamish	City, Low Industrial	17,158	35	One facility	1	20,000
Whistler	City, Low Industrial	9,824	5	One facility	1	20,000
Pemberton	Village, Low Industrial	2,369	21	Within driving distance	0	0
Lillooet	Village, Low Industrial	2,322	0	Round up	0	2,000
Total					2	42,000
Strathcona Regional District						
Campbell River	City, High Industrial	31,186	126	One facility	1	20,000
Gold River	Village, Low Industrial	1,267	8	Round up	0	2,000
Sayward	Village, Low Industrial	317	0	Round up	0	2,000
Tahsis	Village, Low Industrial	316	1	Round up	0	2,000
Zeballos	Village, Low Industrial	125	1	Round up	0	2,000
Total					1	28,000
Sunshine Coast Regional District						
Sechelt	City, Low Industrial	9,291	16	One facility	1	20,000
Gibsons	Town, Low Industrial	4,437	6	Within driving distance	0	0
Total					1	20,000
Thompson Nicola Regional District						
Kamloops	City, High Industrial	85,678	138	One facility	1	20,000
Merritt	City, Low Industrial	7,113	34	One facility	1	20,000
Chase	Village, Low Industrial	2,495	9	Round up	0	2,000
Clearwater	Village, Low Industrial	2,331	5	Round up	0	2,000
Logan Lake	Village, Low Industrial	2,073	0	Round up	0	2,000
Barriere	Village, Low Industrial	1,773	12	Round up	0	2,000
Ashcroft	Village, Low Industrial	1,628	0	Round up	0	2,000
Cache Creek	Village, Low Industrial	1,040	6	Round up	0	2,000
Clinton	Village, Low Industrial	636	0	Round up	0	2,000
Sun Peaks Mountain	Village, Low Industrial	371	0	Round up	0	2,000
Lytton	Village, Low Industrial	228	4	Round up	0	2,000
Total					2	58,000
Grand Total					82	1,722,000



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