

# Export of Solid Waste to the United States

## Amendment to Metro Vancouver's Current Solid Waste Management Plan



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eRIM 004930711

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## Roles and Responsibilities

- Regional Districts prepare Solid Waste Management Plans (SWMP)
- The Province reviews and approves SWMP's
- The current plan identifies 3 disposal facilities
  - Vancouver Landfill
  - Waste to Energy Facility in Burnaby
  - Cache Creek Landfill
- Facilities all operating at capacity



## What is Being Proposed?

- Proposed Amendment:
  - 600,000 tonnes of waste per year
  - Interim basis, up to 5 year duration
  - Commencing upon closure of Cache Creek Landfill



## Why Export Waste to the US?

- Cache Creek Landfill (CCLF) closure in 2010
- Efforts to replace the CCLF have been unsuccessful
- Metro Vancouver Board Direction
  - Aggressively pursue waste reduction Zero Waste Challenge
  - Establish Local Disposal Facilities
  - Export Waste to US on an interim basis



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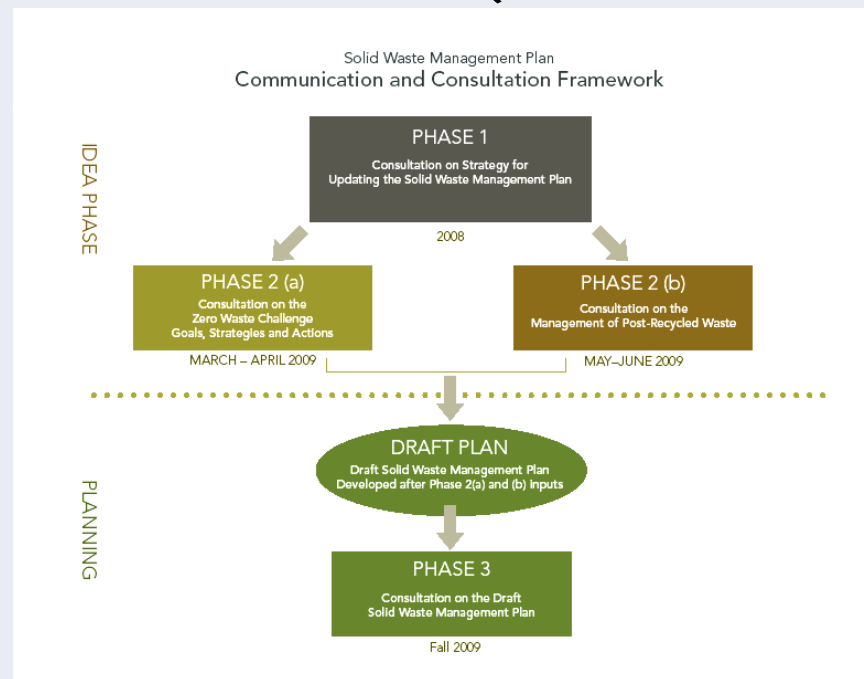
## Process to Export Waste

- Amendment must include:
  - Specific Disposal Sites
  - Transportation Routes
  - Public Consultation
- Request for Expressions of Interest (Nov. 2008)
- Public Consultation (March 1 – April 7, 2009)
- Application for SWMP Amendment (May 2009)
- Complete competitive process with proponents
  - Consider public feedback/environment/financial impacts
- Establish Export Contract (Sept. 2009)
- Commence export upon CCLF closure (July 2010)



## Process for New SWMP

- Zero Waste Challenge (April 2009)
- Management of remaining solid waste (June 2009)
- Develop draft SWMP (July – November 2009)
- Submit SWMP to Province (December 2009)



## How Would We Export Waste?

- 2 proposals: Rabanco, Waste Management
- Both utilize existing network of Transfer Stations
- Waste is compacted and loaded into sealed, steel shipping containers
- Containers brought to intermodal facility and placed on rail cars

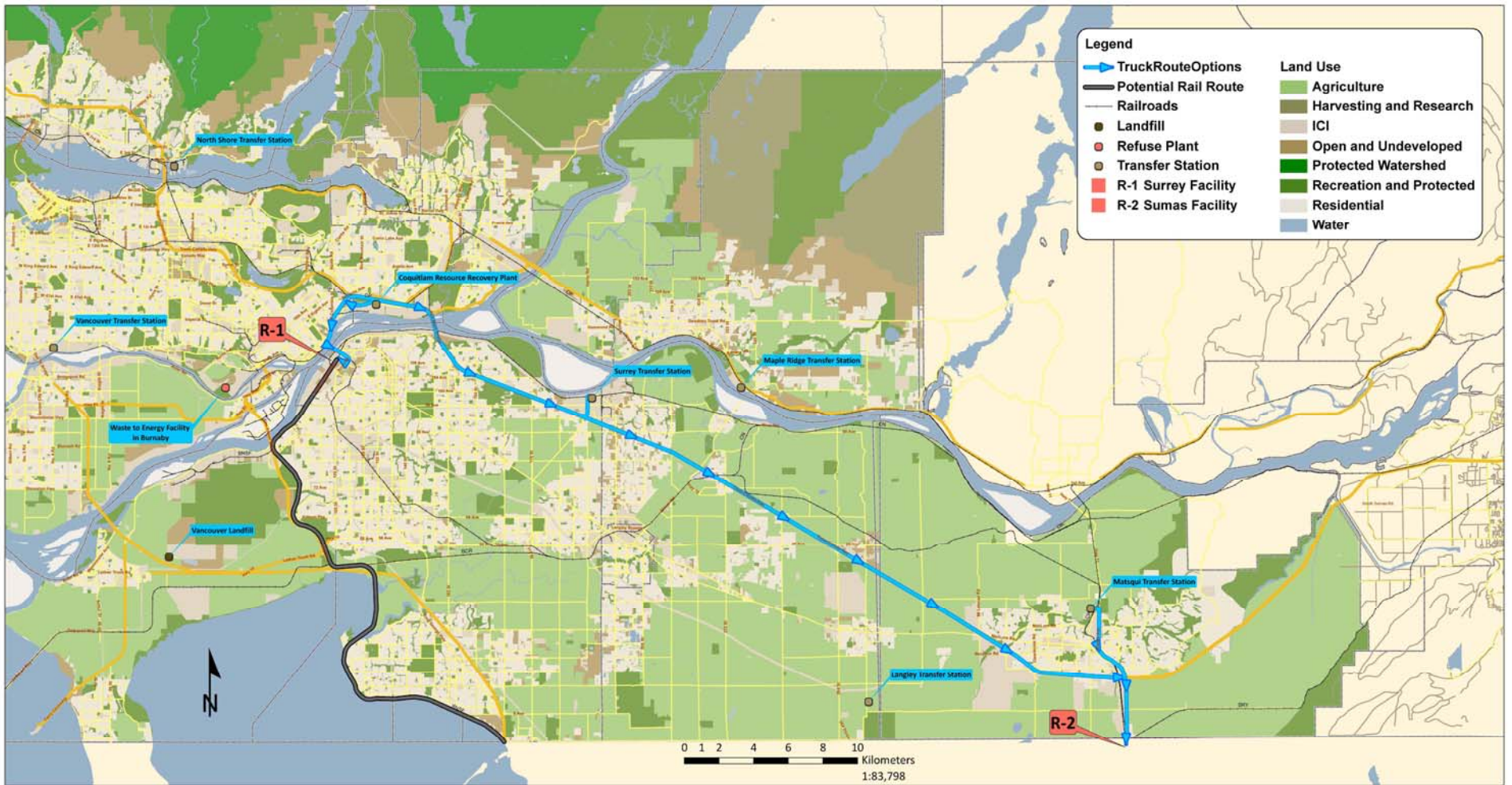


## Rabanco Proposal

- 450,000 *t* through Sumas
- 150,000 *t* through Surrey (Optional)
- Disposal at Roosevelt Regional Landfill

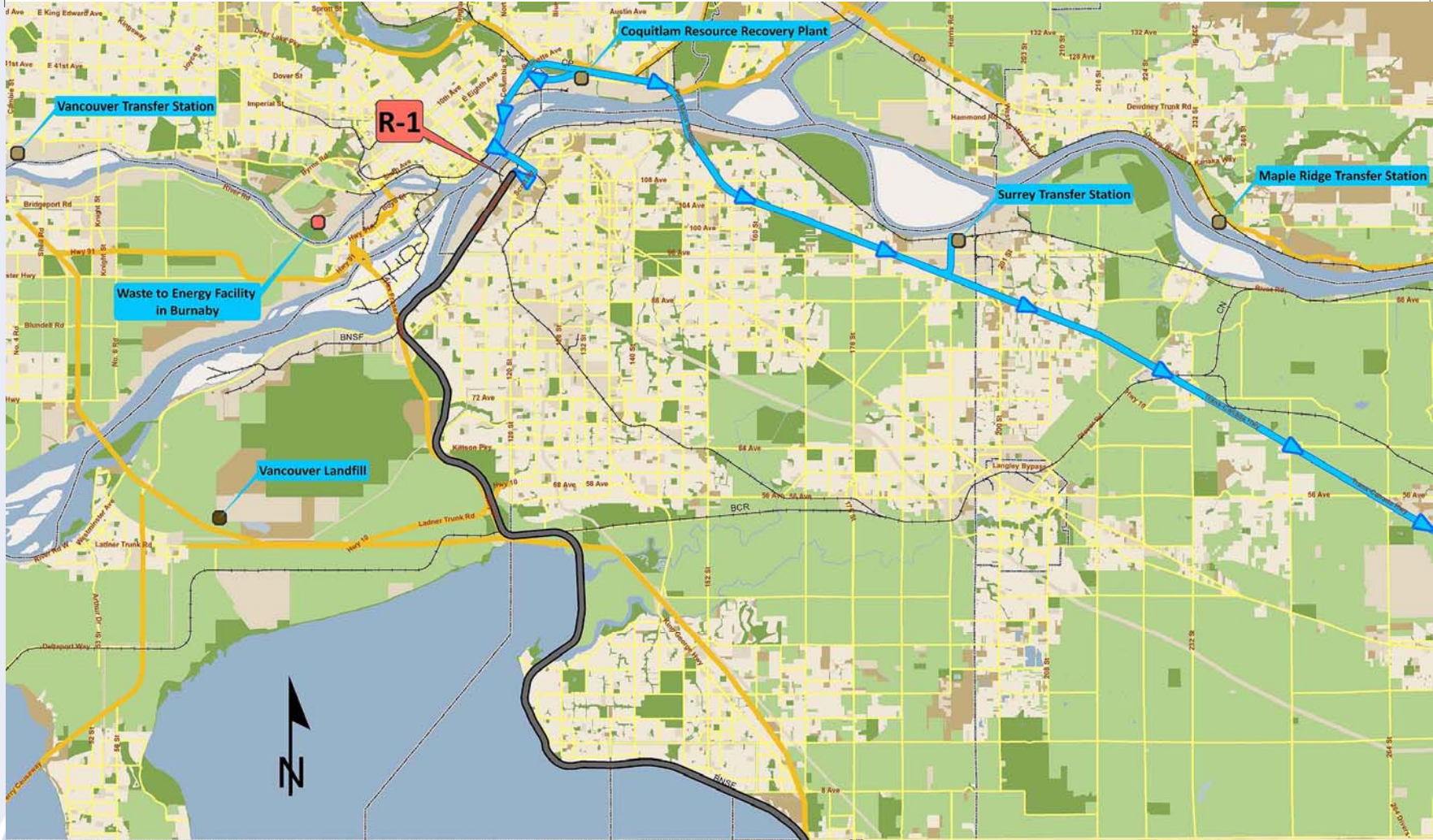


# Export Route Options - Rabancho



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## Rabanco Proposal

Facility	Tonnes / year	Container size (tonne/cont)	Trucks/ day	Impact on current vehicle traffic	Rail cars/ day	Impact on current rail traffic
Sumas	450,000	48 ft (27 tonnes)	46	1.1%	23	2 new trains/wk
Surrey	150,000	48 ft (27 tonnes)	16	0.3%	8	No new trains (10% increase in length)



# Waste Management Proposal

- 600,000 *t* through Annacis Island
- Disposal at Columbia Ridge, Wenatchee Landfills



# Export Route Options - Waste Management



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# Export Route Options - Waste Management



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# Waste Management Proposal

Facility	Tonnes / year	Container size (tonne/cont)	Trucks/ day	Impact on current vehicle traffic	Rail cars/ day	Impact on current rail traffic
Annacis	600,000	40 ft (25 tonnes)	66	2.4%	33	2 – 3 new trains/wk





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## Feedback by April 7<sup>th</sup>, 2009

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