

WESTSIDE SOLUTIONS

Technically Feasible Wastewater Treatment Site Profiles



**WESTSIDE
SOLUTIONS**
Wastewater Treatment & Resource Recovery

Introduction

As part of the Westside Select Committee mandate to develop options for wastewater treatment and resource recovery, the Westside Solutions team has been working on two tracks, technical assessment and public engagement. The combined efforts of these processes have resulted in the identification of potential sites for wastewater treatment as well as flow scenarios for wastewater currently being discharged at McCaulay Point.

For the twenty sites that have been identified, it is possible for each site – or combination of sites – to accommodate secondary or tertiary treatment and handling of solids. The twenty sites are generally located in 6 Site Nodes throughout the Westside, as seen on the overview map. For this analysis, the same measures were used by each jurisdiction to give residents an indication of site attributes. This includes:

- proximity to the trunk and truck routes,
- current recovery potential for water reuse for, e.g. irrigation
- current recovery potential for heat use for, e.g. access to boilers
- seismic concerns as indicated by the Province of British Columbia's data mapping

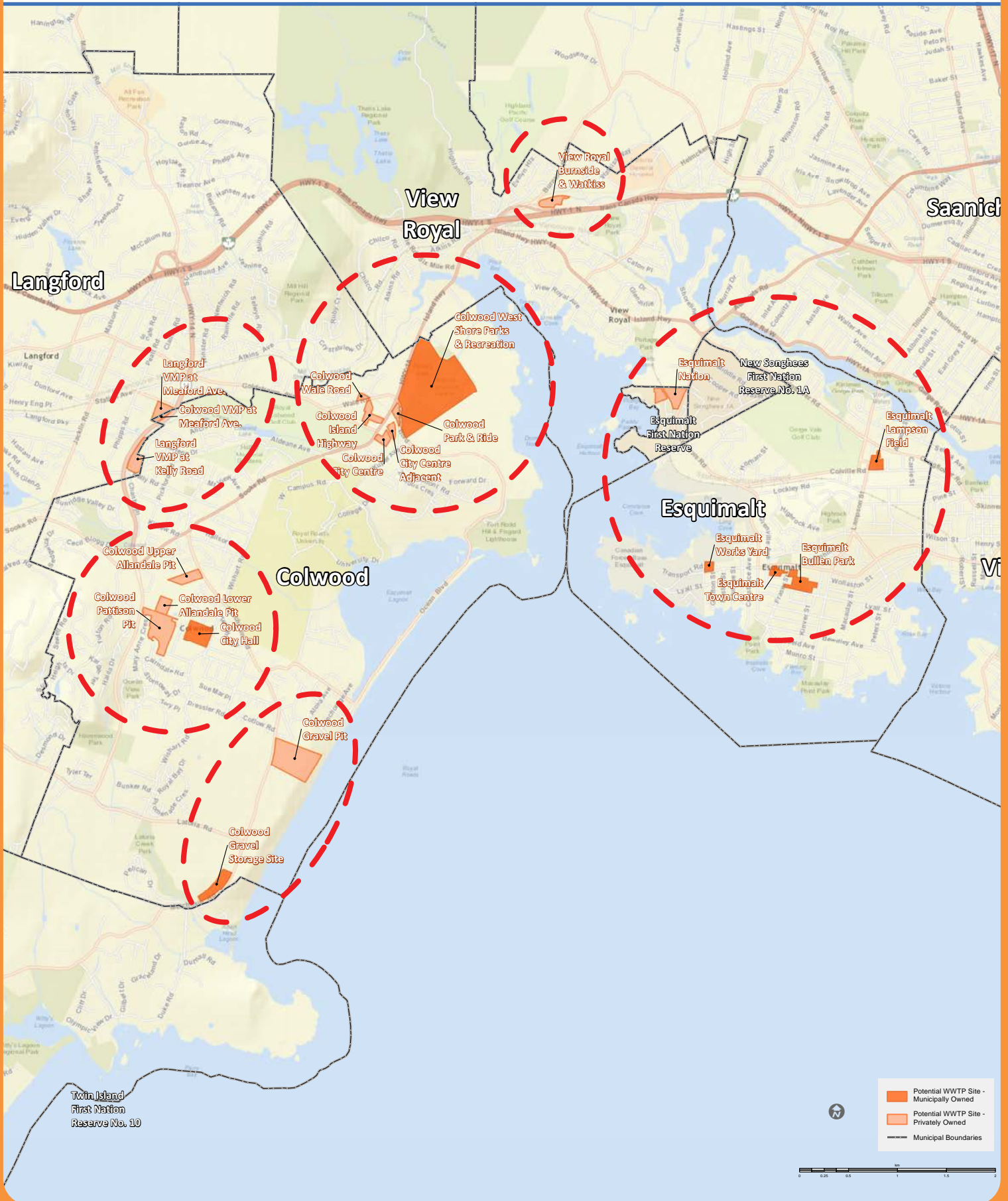
Other factors included ownership, current use, zoning and Official Community Plans. (It is important to note that current use and opportunities were analysed for this report – future potential uses and opportunities will be factored in upon further analysis and public input.)

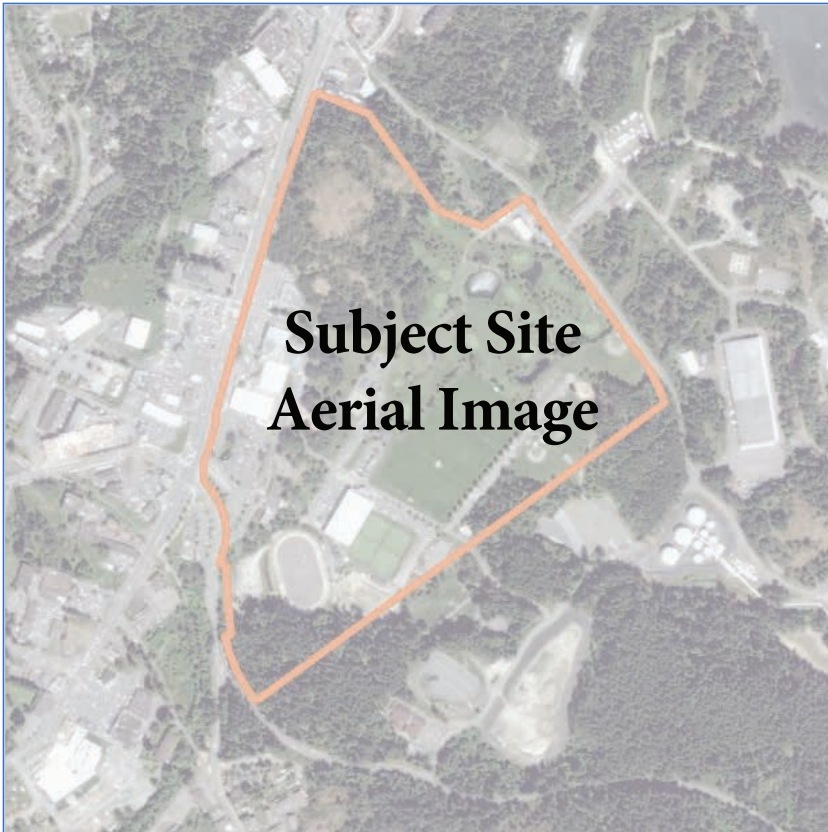
Westside Solution options for wastewater treatment and resource recovery could be any combination of 1 - 4 sites. Analysis of wastewater flows, future resource recovery options, and community and costing considerations will help to further define solution sets.

Residents are invited to provide input on sites through an online platform that will be presented on June 24. This feedback will be a critical factor in any decision on which sites and scenarios will proceed to undergo a more detailed analysis.

We appreciate you taking the time to consider all the potential sites and scenarios. We look forward to receiving your thoughts and ideas as we move forward together to find an economically and environmentally responsible solution for treating our wastewater.

Westside Solutions





Address: Street name, municipality

Ownership: private / public

Size of site: GIS generated (hectares)

Elevation of site: GIS generated (metres above sea level)

Current use: Present use of site

Existing zoning: From municipal zoning bylaw

OCP designation: From municipal Official Community Plan

OCP factors:

Based on each municipality's Official Community Plan.

Distance to truck route:

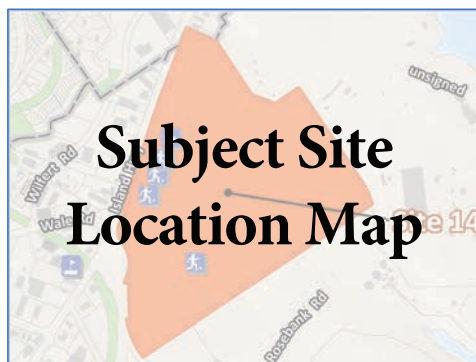


Based on proximity to Truck Route or municipal arterial as measured from the centre of site.

Distance to CRD trunk main:



Based on proximity to CRD sanitary trunk main.



Current water reuse recovery potential:

Based on proximity to potential water reuse users (eg. parks or golf course)

Current heat recovery potential:

Based on CRD discussion paper entitled 'Identification and evaluation of resource opportunities' (CH2M Hill, Associated Engineering, and Kerr Wood Leidel, 2008)

Seismic Concerns:

Data from BC Earthquake Hazard Mapping of Greater Victoria.

Other Considerations:

As noted

Access & Infrastructure

Summary of proximal distances to sanitary trunk mains, truck routes, and arterial roads.

Land & Amenities

Summary of land use considerations that affect siting, including current and future use, proximity to redevelopment and civic facility development and land ownership

Resource Recovery

Summary of heat recovery and water reuse potential

#1. Langford VMP at Kelly Road



Address: Veterans Memorial Parkway, Langford

Ownership: Private

Size of site: 3.09 hectares

Elevation of site: 62.5 metres

Current use: Vacant

Existing zoning: Residential

OCP designation: Mixed Use
Employment Centre

OCP factors:

- Major civic uses and key landmarks
- Langford City Centre

Distance to truck route or arterial road:

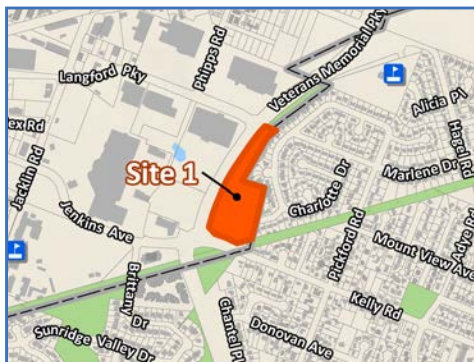


11 metres

Distance to CRD trunk main:



195 metres



Current water reuse recovery potential:

Low Moderate High

Current heat recovery potential:

Low Moderate High

Seismic Concerns:

Low Moderate High

Other Considerations:

- Within regional growth centre
- Colwood Creek within property site

Access & Infrastructure



Land & Amenities

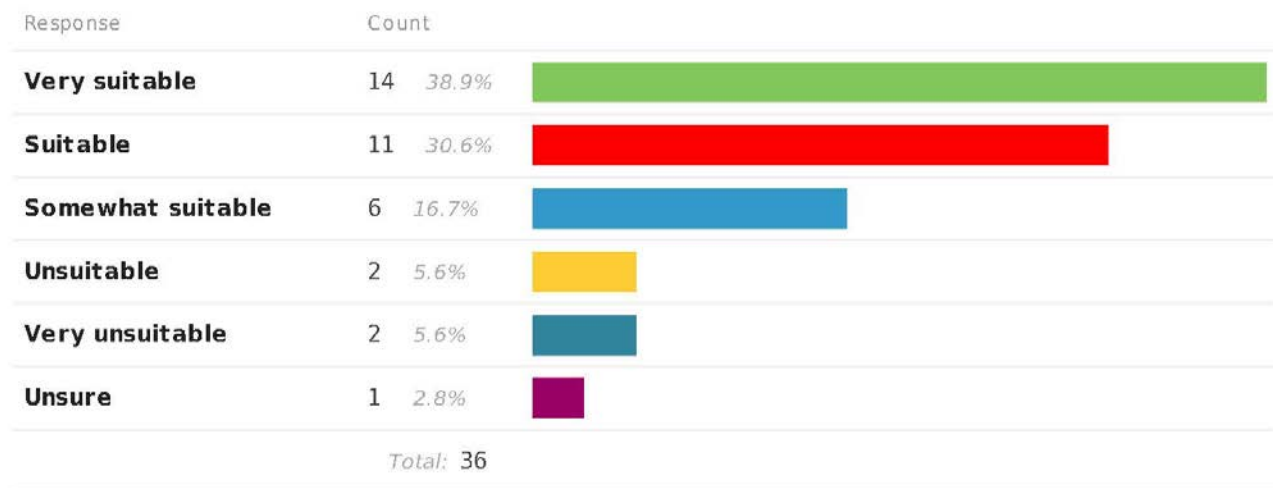


Resource Recovery

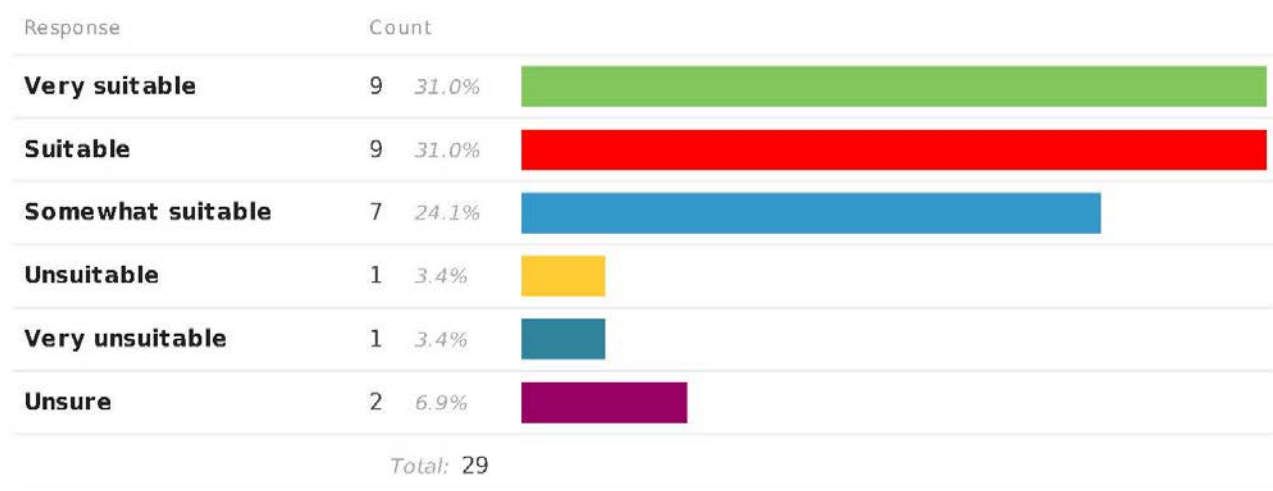


Langford VMP at Kelly Road

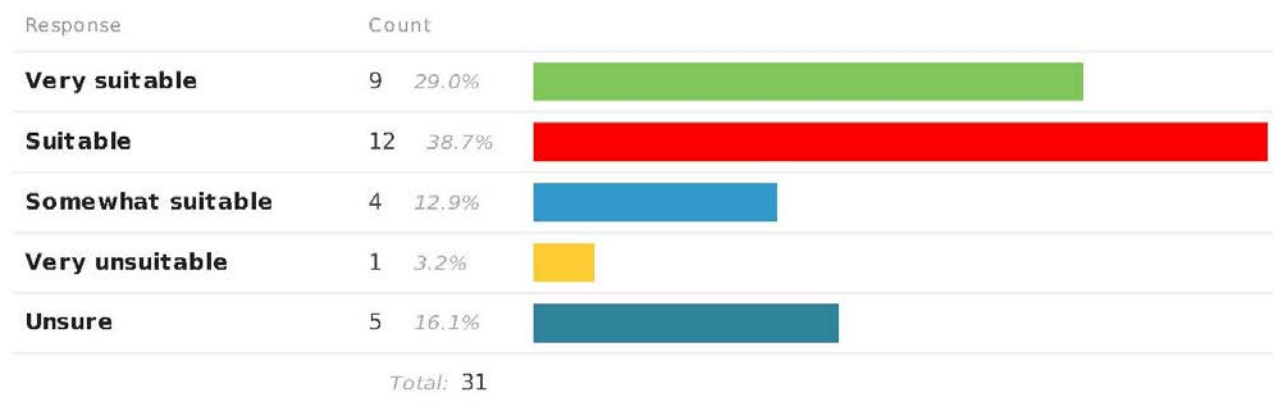
1. How suitable do you consider this site in terms of how the land is currently used, how a wastewater resource facility would fit with the surrounding area and future plans for the community?



2. How suitable do you consider this site in terms of potential for use of reclaimed water and energy recovered from the treatment process?



3. How suitable to you consider this site in terms of how close it is to existing sewer trunk and truck routes?



#2a. Langford VMP at Meaford Ave.



Address: Meaford Ave, Langford

Ownership: Private

Size of site: 2.52 hectares

Elevation of site: 66 metres

Current use: Vacant

Existing zoning: Rural Residential

OCP designation: City Centre

OCP factors:

- Langford City Centre
- Encourage energy efficiency and green building technologies

Distance to truck route or arterial road:

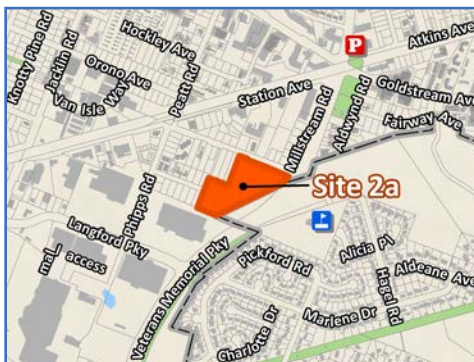


22 metres

Distance to CRD main:



45 metres



Current water reuse recovery potential:

Low Moderate **High**

Current heat recovery potential:

Low Moderate High

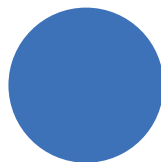
Seismic Concerns:

Low **Moderate** High

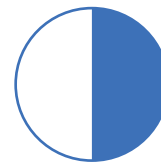
Other Considerations:

- Within regional growth centre
- Border with City of Colwood
- Siting feasibility in conjunction with site Colwood - 2b (optional)

Access & Infrastructure



Land & Amenities

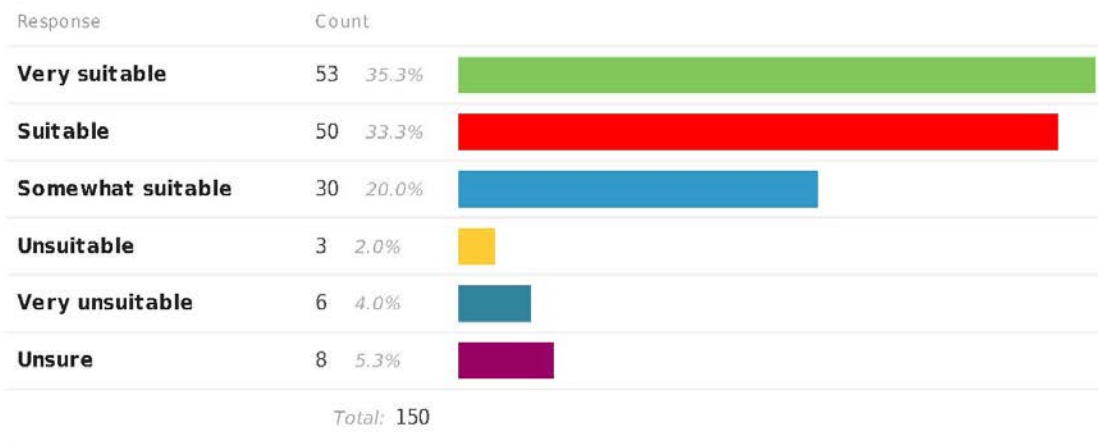


Resource Recovery

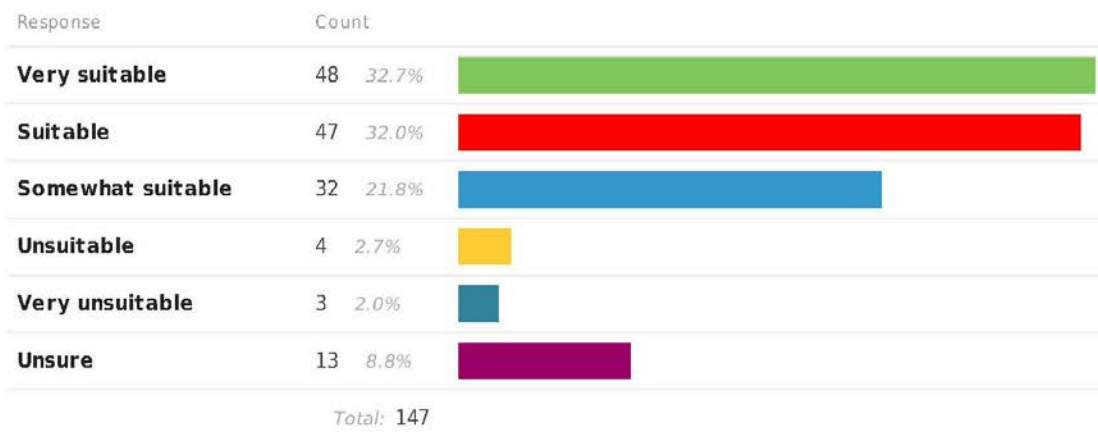


Langford/Colwood 2a/2b

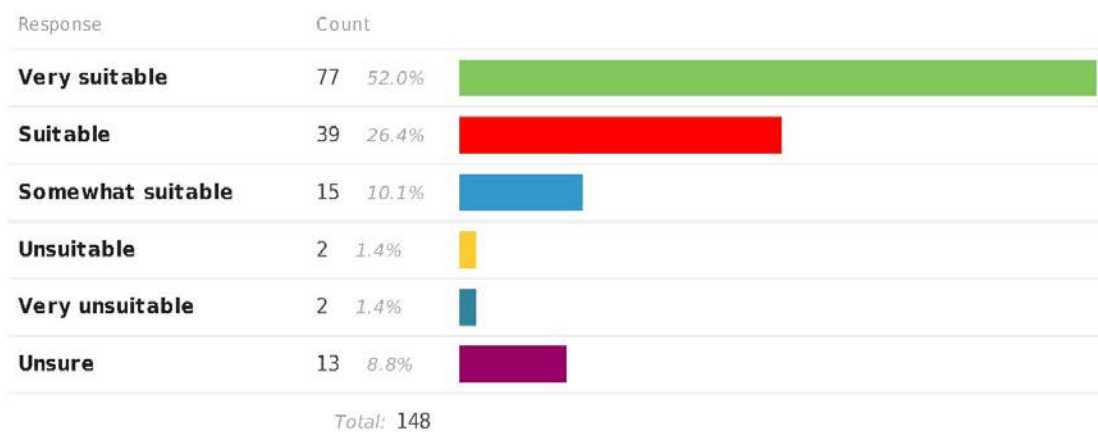
1. How suitable do you consider this site in terms of how the land is currently used, how a wastewater resource facility would fit with the surrounding area and future plans for the community?



2. How suitable do you consider this site in terms of potential for use of reclaimed water and energy recovered from the treatment process?



3. How suitable to you consider this site in terms of how close it is to existing sewer trunk and truck routes?



#2b. Colwood VMP at Meaford Ave.

(must be combined with another site)



Address: Meaford Ave, Colwood

Ownership: Private

Size of site: 0.67 hectares

Elevation of site: 64 metres

Current use: Vacant

Existing zoning: Commercial

OCP designation: City Centre

OCP factors:

Distance to truck route or arterial road:



20 metres

Distance to CRD trunk main:



5 metres



Current water reuse recovery potential:

Low Moderate **High**

Current heat recovery potential:

Low Moderate High

Seismic Concerns:

Low **Moderate** High

Other Considerations:

- Within regional growth centre
- Border with Langford
- Siting feasibility in conjunction with site Langford - 2a

Access & Infrastructure



Land & Amenities

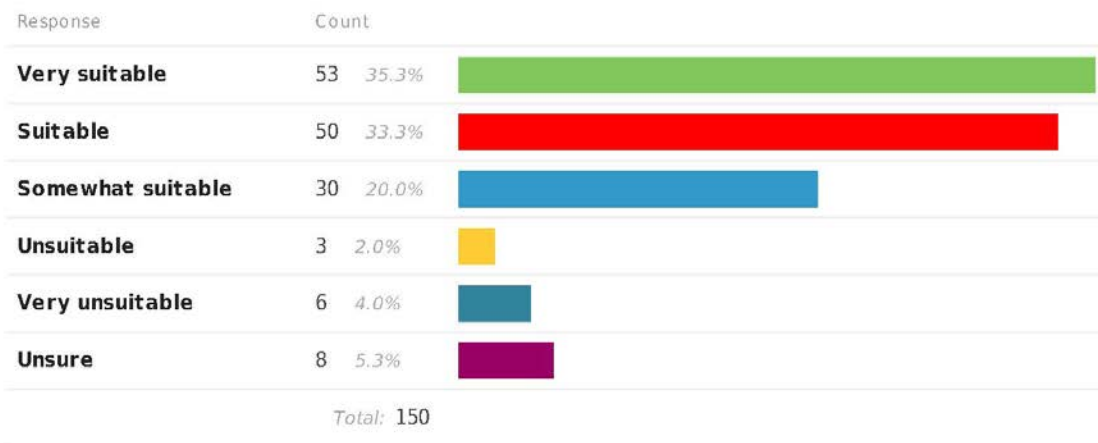


Resource Recovery

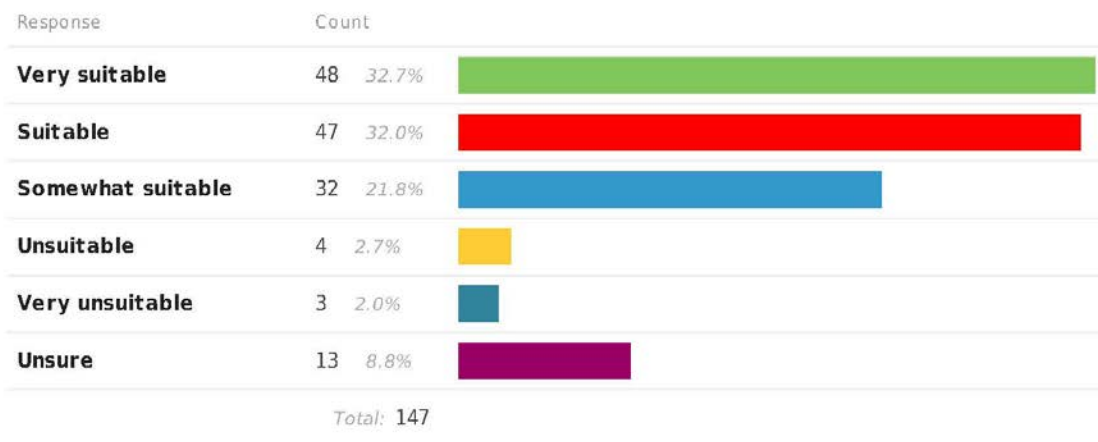


Langford/Colwood 2a/2b

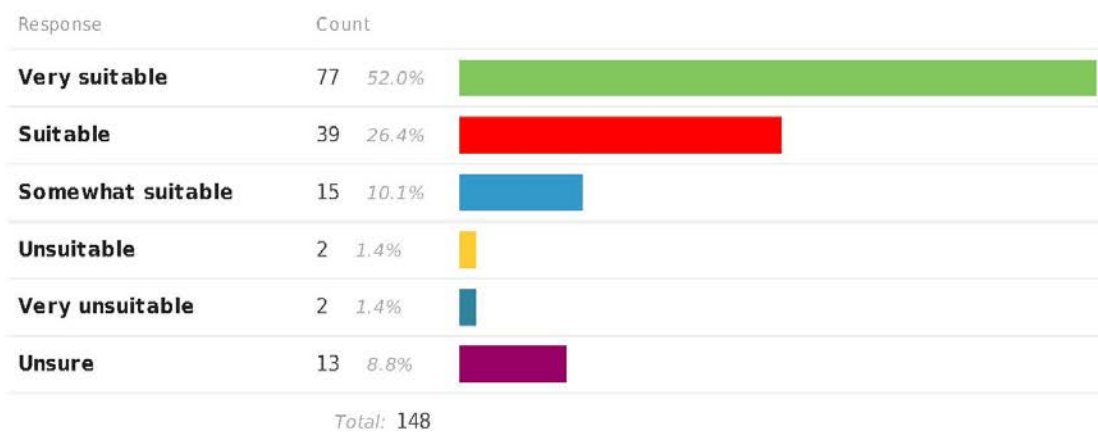
1. How suitable do you consider this site in terms of how the land is currently used, how a wastewater resource facility would fit with the surrounding area and future plans for the community?



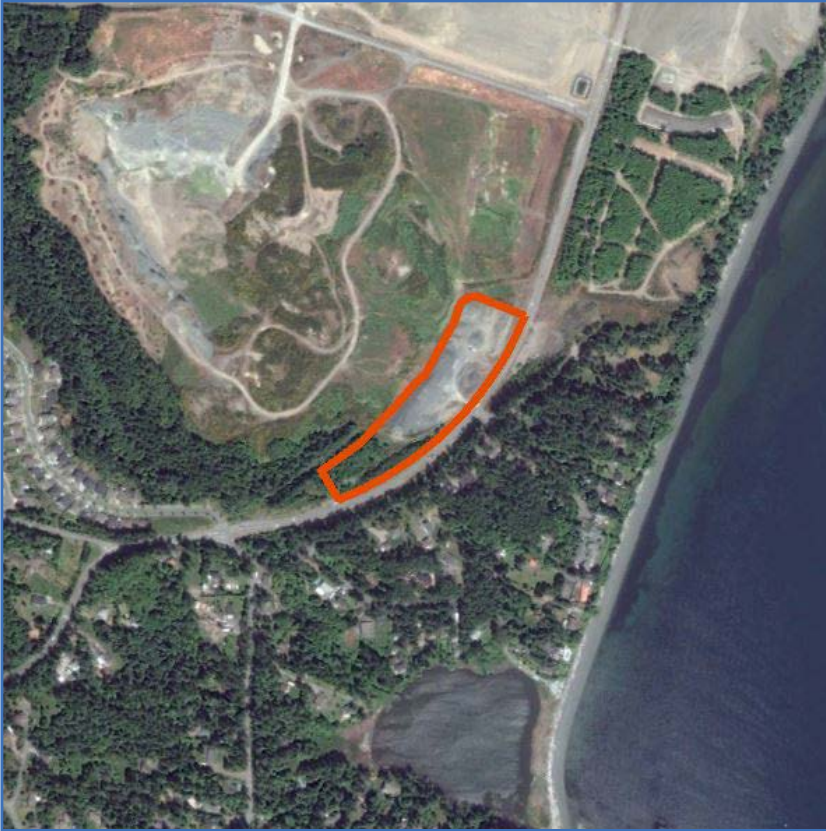
2. How suitable do you consider this site in terms of potential for use of reclaimed water and energy recovered from the treatment process?



3. How suitable to you consider this site in terms of how close it is to existing sewer trunk and truck routes?



#3. Colwood Gravel Storage Site



Address: Metchosin Rd., Colwood

Ownership: Municipal

Size of site: 3.52 hectares

Elevation of site: 42 metres

Current use: Vacant

Existing zoning: Rural Residential

OCP designation: Neighbourhood

OCP factors:

- Encourage energy efficiency and green building technologies
- Sensitive Ecosystems and Hazardous Conditions Development Permit Area

Distance to truck route or arterial road:



12 metres

Distance to CRD trunk main:



4.3 kilometres



Current water reuse recovery potential:

Low **Moderate** High

Current heat recovery potential:

Low Moderate High

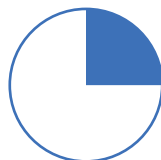
Seismic Concerns:

Low **Moderate** High

Other Considerations:

- Adjacent to Royal Bay Development

Access & Infrastructure



Land & Amenities

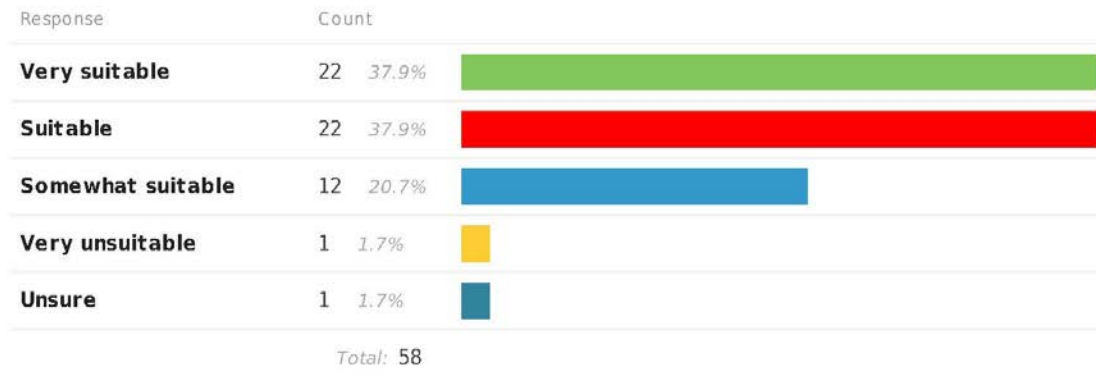


Resource Recovery

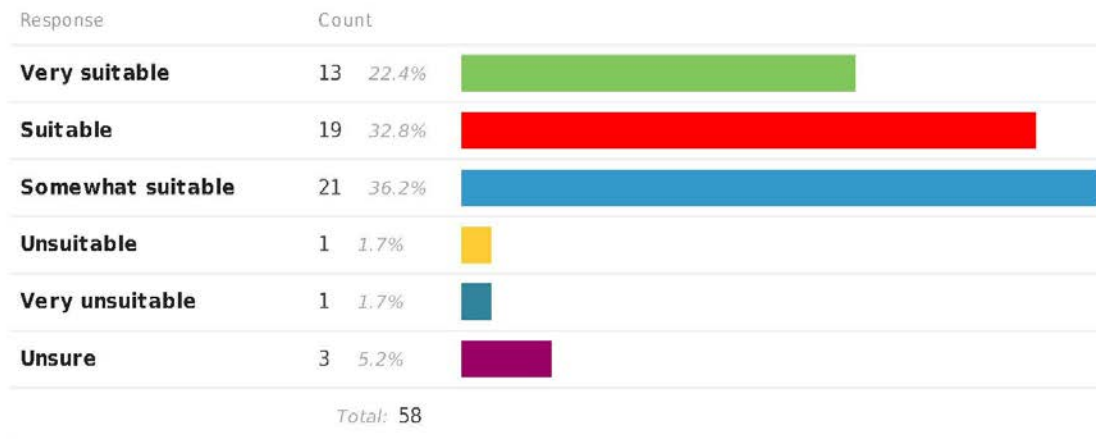


Colwood Gravel Storage Site

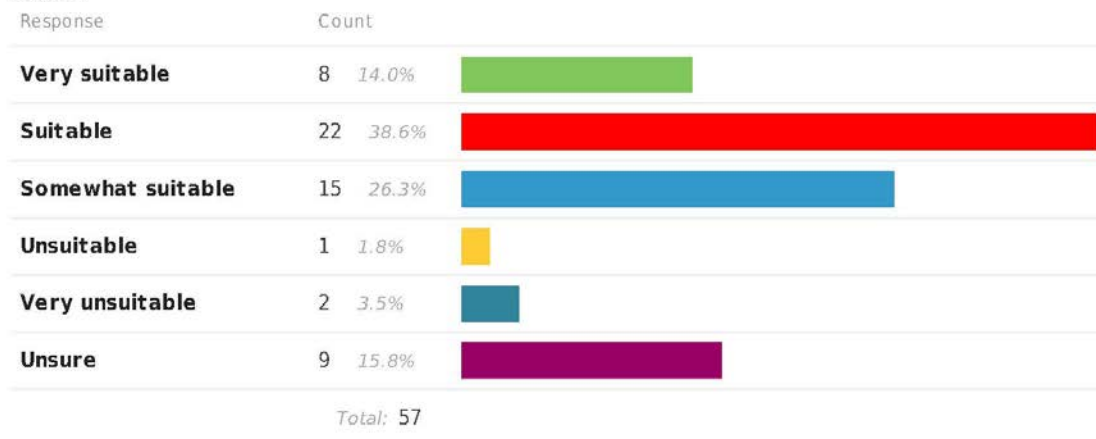
1. How suitable do you consider this site in terms of how the land is currently used, how a wastewater resource facility would fit with the surrounding area and future plans for the community?



2. How suitable do you consider this site in terms of potential for use of reclaimed water and energy recovered from the treatment process?



3. How suitable to you consider this site in terms of how close it is to existing sewer trunk and truck routes?



#4. Colwood Gravel Pit



Address: Metchosin Rd., Colwood

Ownership: Private

Size of site: 12.96 hectares

Elevation of site: 36.5 metres

Current use: Vacant

Existing zoning: Comprehensive Development / Rural Residential

OCP designation: Neighbourhood

OCP factors:

- Encourage energy efficiency and green building technologies
- Sensitive Ecosystems and Hazardous Conditions Development Permit Area

Distance to truck route or arterial road:



10 metres

Distance to CRD trunk main:



2.9 kilometres



Current water reuse recovery potential:

Low

Moderate

High

Current heat recovery potential:

Low

Moderate

High

Seismic Concerns:

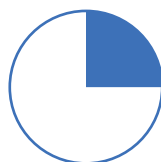
Low

Moderate

High

Other Considerations:

Access & Infrastructure



Land & Amenities

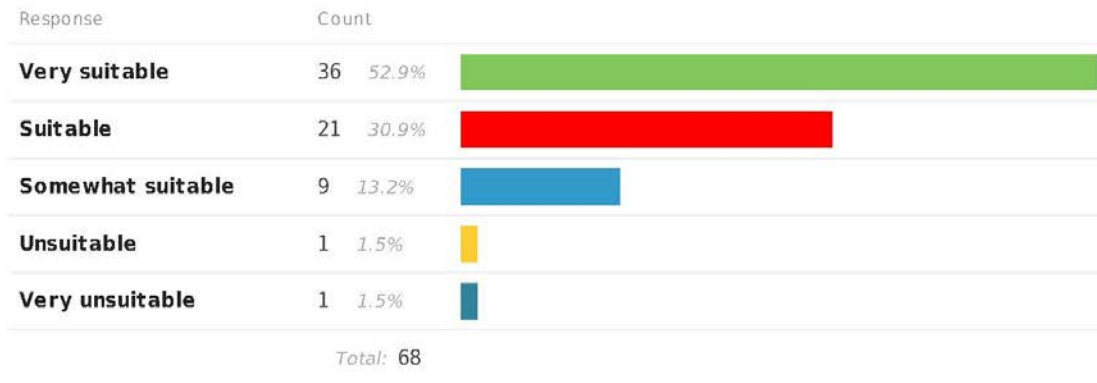


Resource Recovery

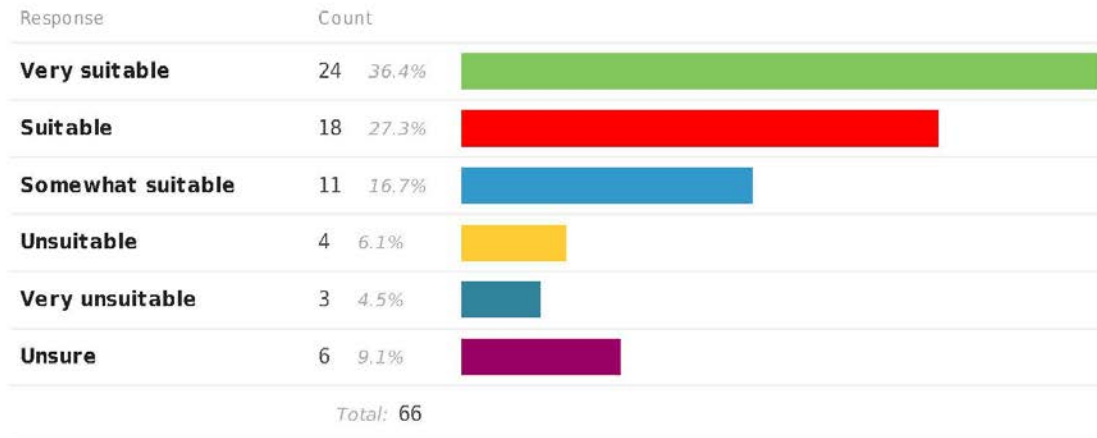


Colwood Gravel Pit

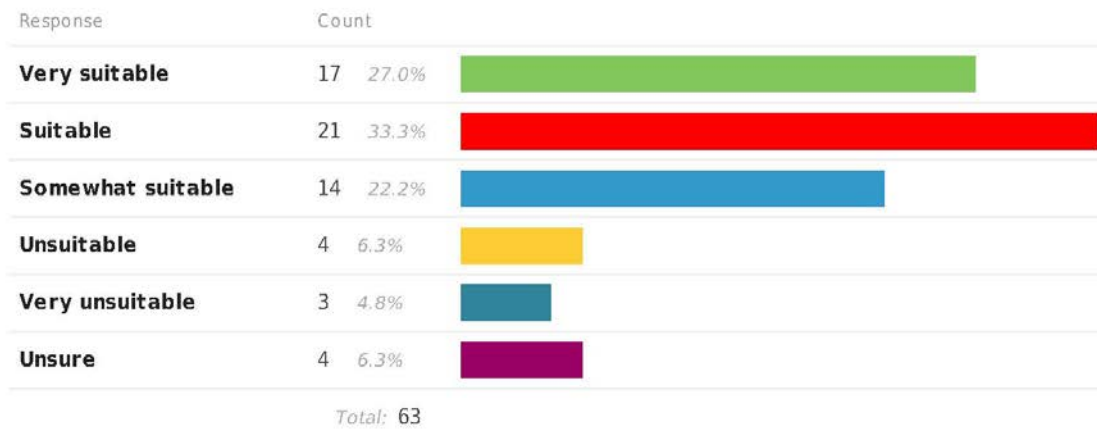
1. How suitable do you consider this site in terms of how the land is currently used, how a wastewater resource facility would fit with the surrounding area and future plans for the community?



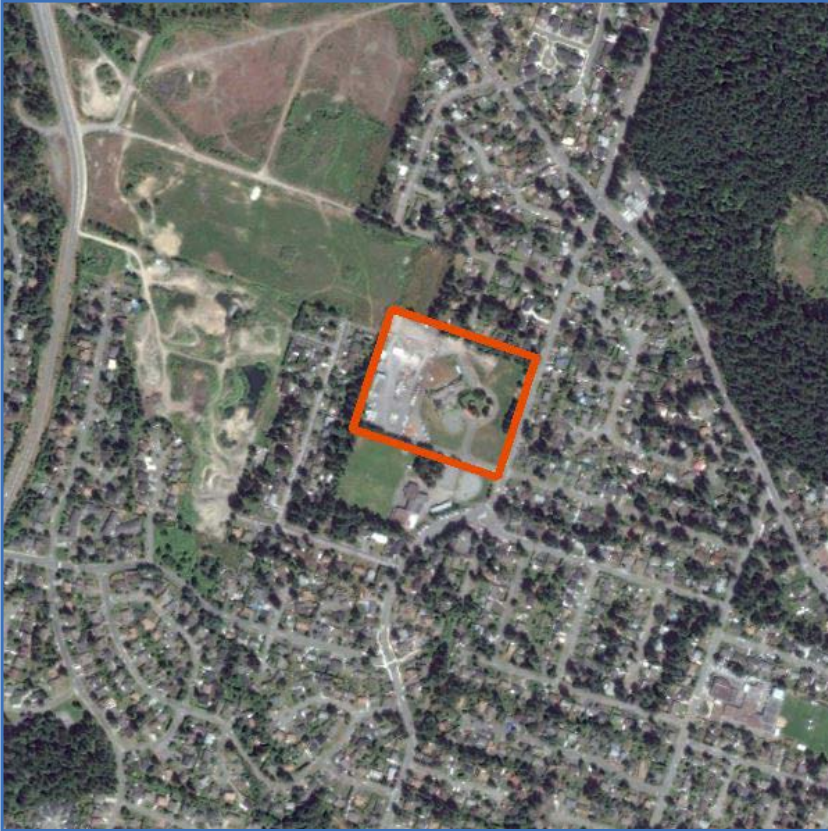
2. How suitable do you consider this site in terms of potential for use of reclaimed water and energy recovered from the treatment process?



3. How suitable to you consider this site in terms of how close it is to existing sewer trunk and truck routes?



#5. Colwood City Hall



Address: Wishart Rd, Colwood

Ownership: Municipal

Size of site: 5.1 hectares

Elevation of site: 72 metres

Current use: Colwood City Hall

Existing zoning: Institutional

OCP designation: Mixed Use
Employment
Centre

OCP factors:

- Encourage energy efficiency and green building technologies

Distance to truck route or arterial road:



7 metres

Distance to CRD trunk main:



2.0 kilometres



Current water reuse recovery potential:

Low

Moderate

High

Current heat recovery potential:

Low

Moderate

High

Seismic Concerns:

Low

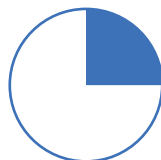
Moderate

High

Other Considerations:

- Relocation of Colwood City Hall
- Colwood Growth Centre

Access & Infrastructure



Land & Amenities

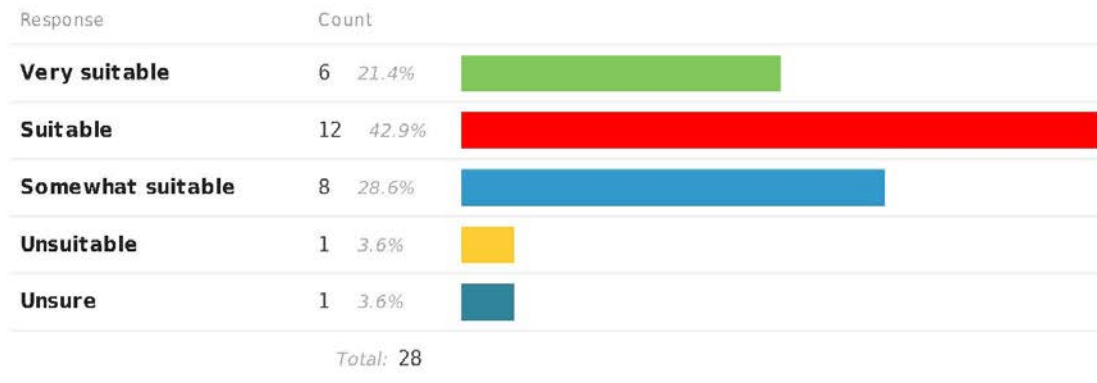


Resource Recovery

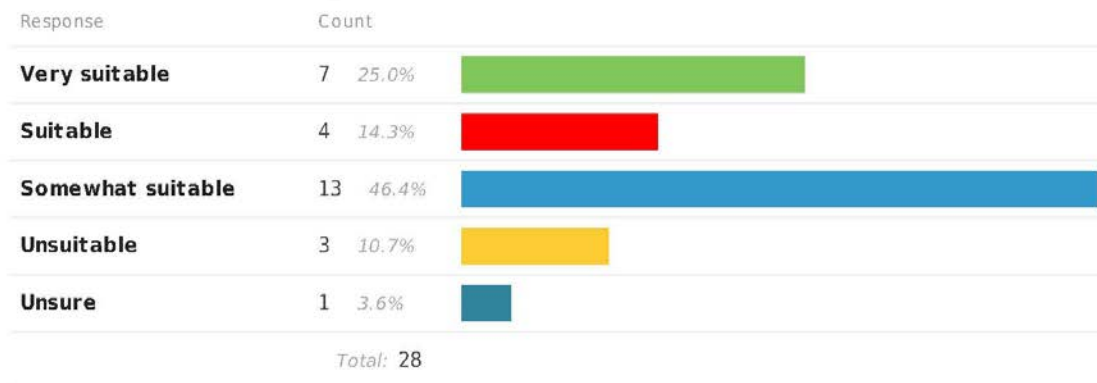


Colwood City Hall

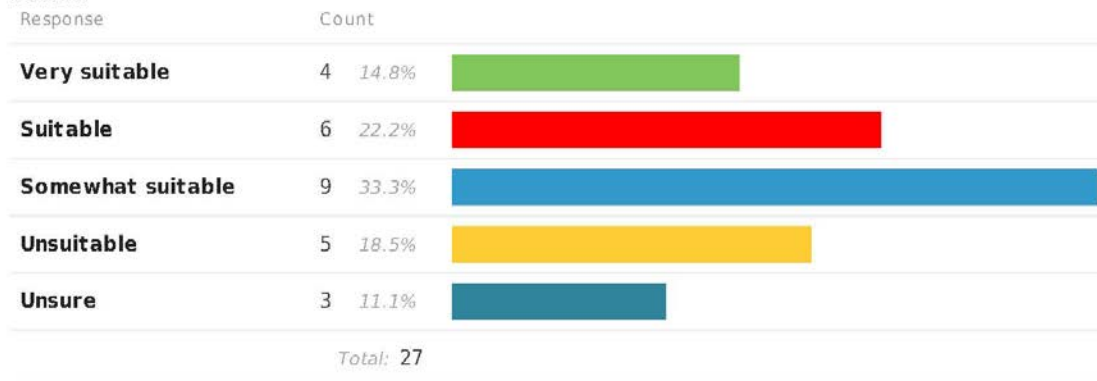
1. How suitable do you consider this site in terms of how the land is currently used, how a wastewater resource facility would fit with the surrounding area and future plans for the community?



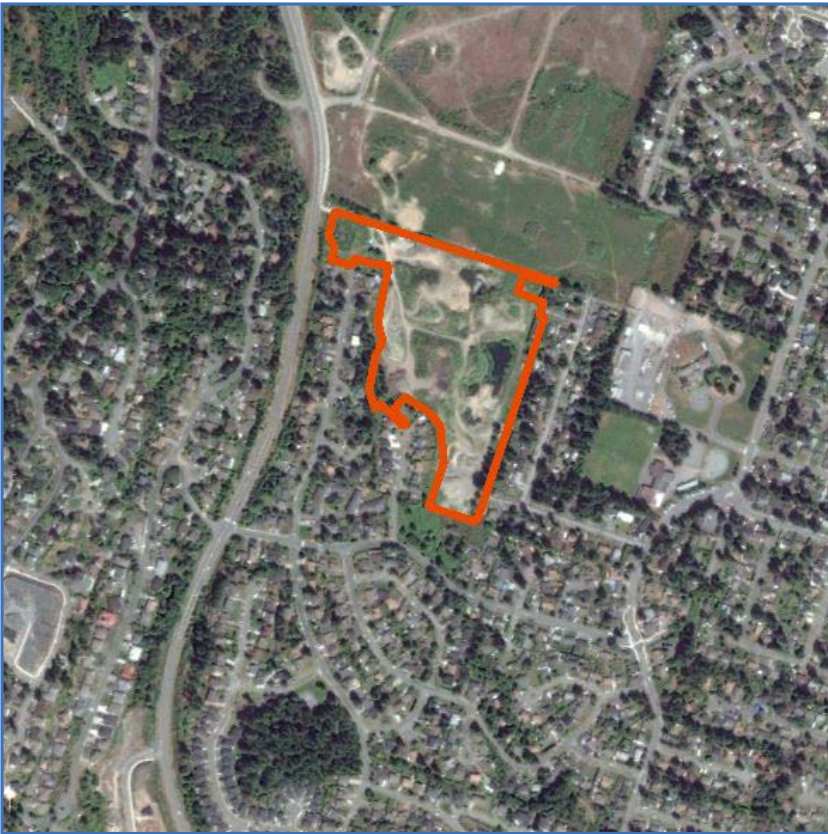
2. How suitable do you consider this site in terms of potential for use of reclaimed water and energy recovered from the treatment process?



3. How suitable to you consider this site in terms of how close it is to existing sewer trunk and truck routes?



#6. Colwood Pattison Pit



Address: Susan Marie Pl., Colwood

Ownership: Private

Size of site: 8.29 hectares

Elevation of site: 73.5 metres

Current use: Vacant

Existing zoning: Residential

OCP designation: Neighbourhood

OCP factors:

- Encourage energy efficiency and green building technologies
- Sensitive Ecosystems and Hazardous Conditions Development Permit Area

Distance to truck route or arterial road:

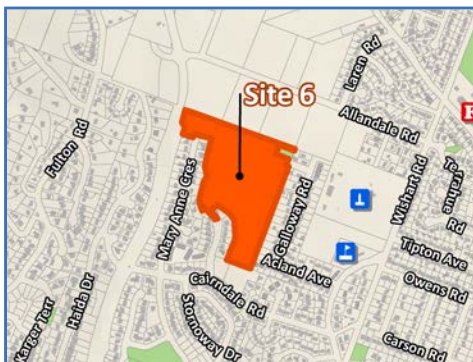


274 metres

Distance to CRD trunk main:



1.9 kilometres



Current water reuse recovery potential:

Low Moderate High

Current heat recovery potential:

Low Moderate High

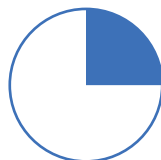
Seismic Concerns:

Low Moderate High

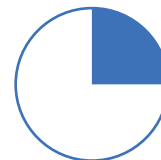
Other Considerations:

- Colwood Growth Centre

Access & Infrastructure



Land & Amenities

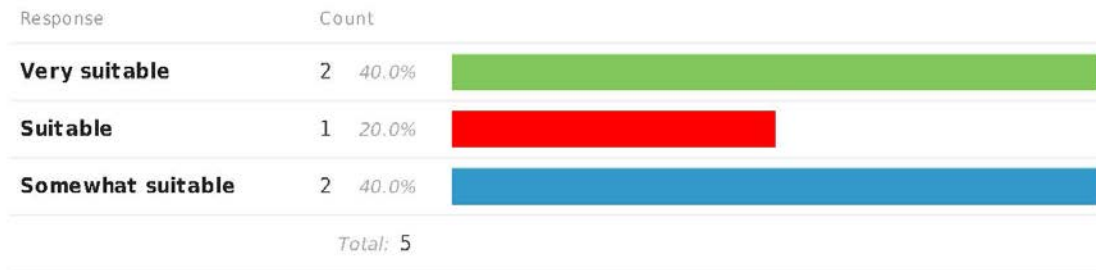


Resource Recovery

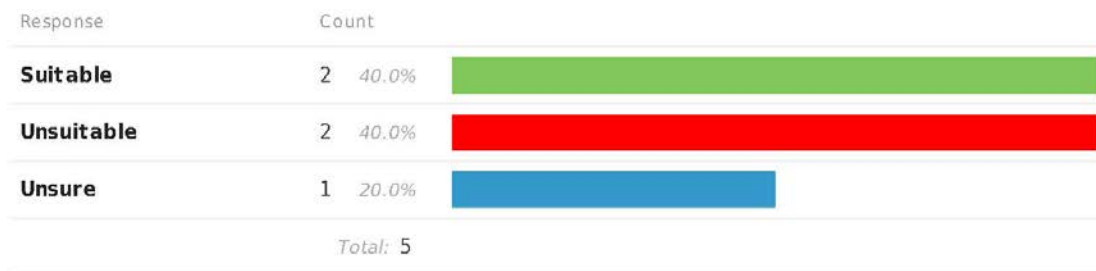


Colwood Pattison Pit

1. How suitable do you consider this site in terms of how the land is currently used, how a wastewater resource facility would fit with the surrounding area and future plans for the community?



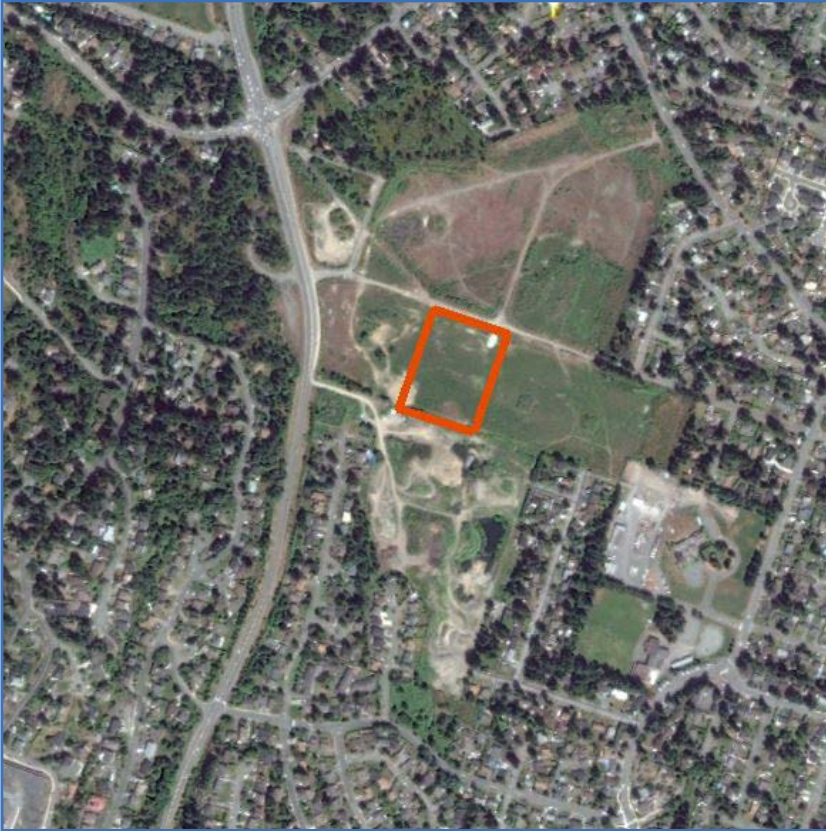
2. How suitable do you consider this site in terms of potential for use of reclaimed water and energy recovered from the treatment process?



3. How suitable to you consider this site in terms of how close it is to existing sewer trunk and truck routes?



#7. Colwood Lower Allandale Pit



Address: Allandale Rd., Colwood

Ownership: Private

Size of site: 2.06 hectares

Elevation of site: 71 metres

Current use: Vacant

Existing zoning: Industrial

OCP designation: Mixed Use
Employment
Centre

OCP factors:

- Encourage energy efficiency and green building technologies

Distance to truck route or arterial road:



220 metres

Distance to CRD trunk main:



1.7 kilometres



Current water reuse recovery potential:

Low Moderate High

Current heat recovery potential:

Low Moderate High

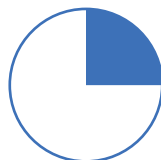
Seismic Concerns:

Low Moderate High

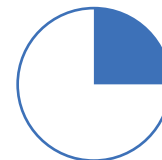
Other Considerations:

- Colwood Growth Centre

Access & Infrastructure



Land & Amenities

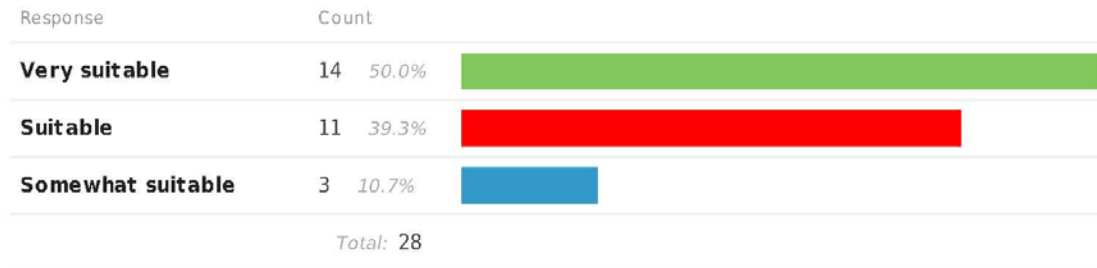


Resource Recovery

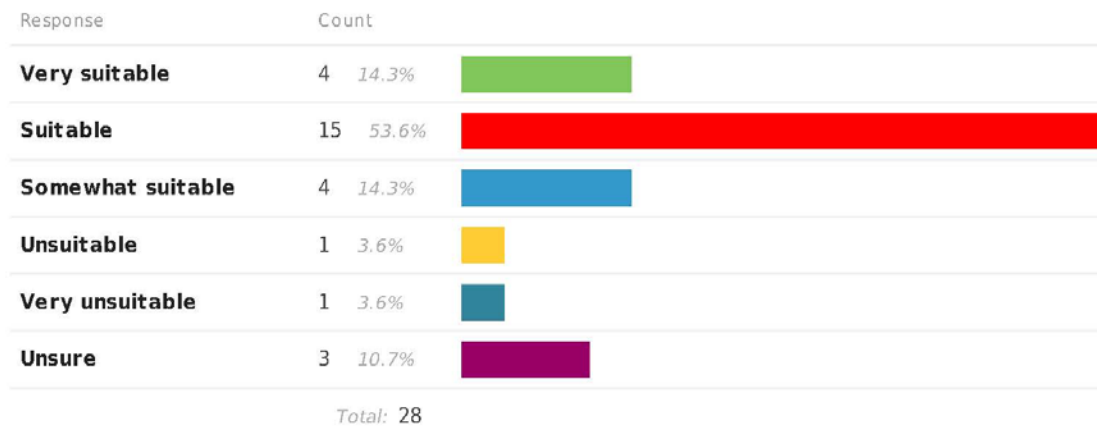


Colwood Lower Allandale

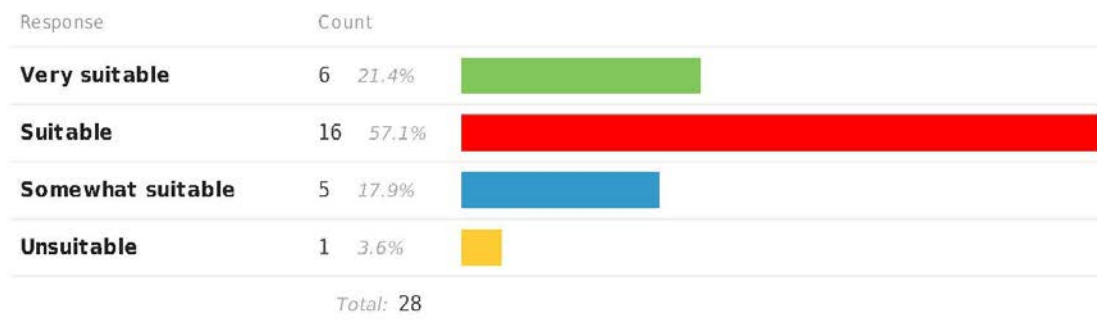
1. How suitable do you consider this site in terms of how the land is currently used, how a wastewater resource facility would fit with the surrounding area and future plans for the community?



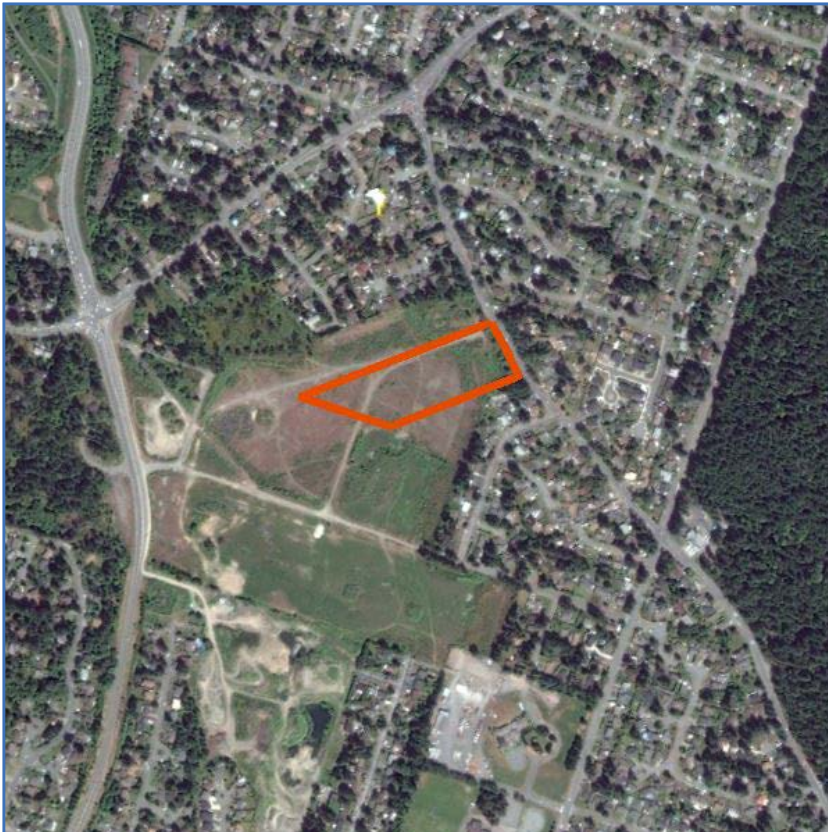
2. How suitable do you consider this site in terms of potential for use of reclaimed water and energy recovered from the treatment process?



3. How suitable to you consider this site in terms of how close it is to existing sewer trunk and truck routes?



#8. Colwood Upper Allandale Pit



Address: Metchosin Rd., Colwood

Ownership: Private

Size of site: 2.77 hectares

Elevation of site: 68 metres

Current use: Vacant

Existing zoning: Residential

OCP designation: Mixed Use
Employment Centre

OCP factors:

- Encourage energy efficiency and green building technologies

Distance to truck route or arterial road:



8 metres

Distance to CRD trunk main:



1.5 kilometres



Current water reuse recovery potential:

Low Moderate High

Current heat recovery potential:

Low Moderate High

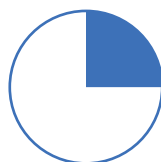
Seismic Concerns:

Low Moderate High

Other Considerations:

- Colwood Growth Centre

Access & Infrastructure



Land & Amenities

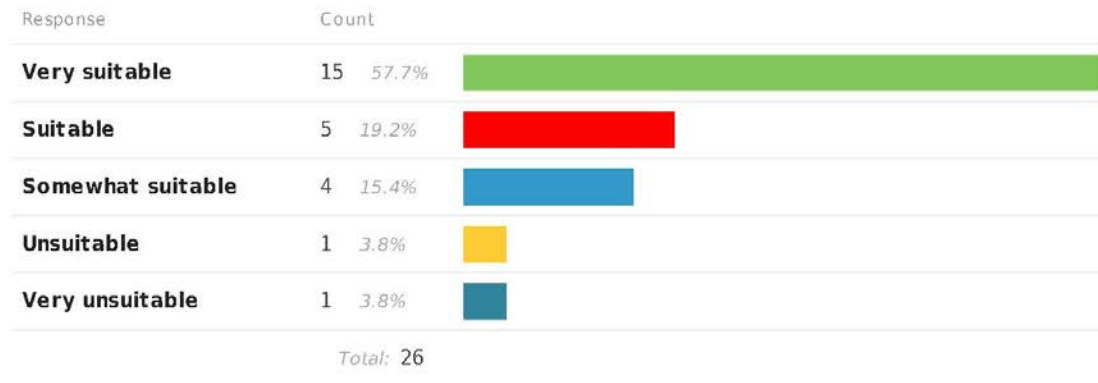


Resource Recovery

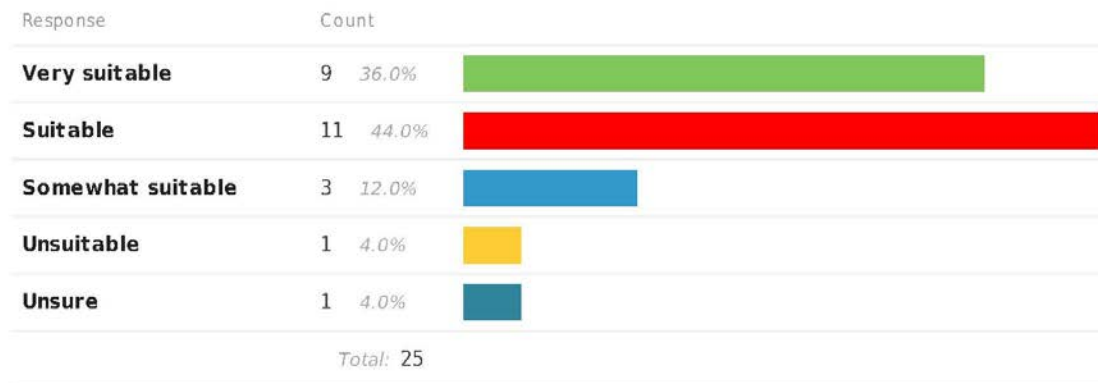


Colwood Upper Allandale

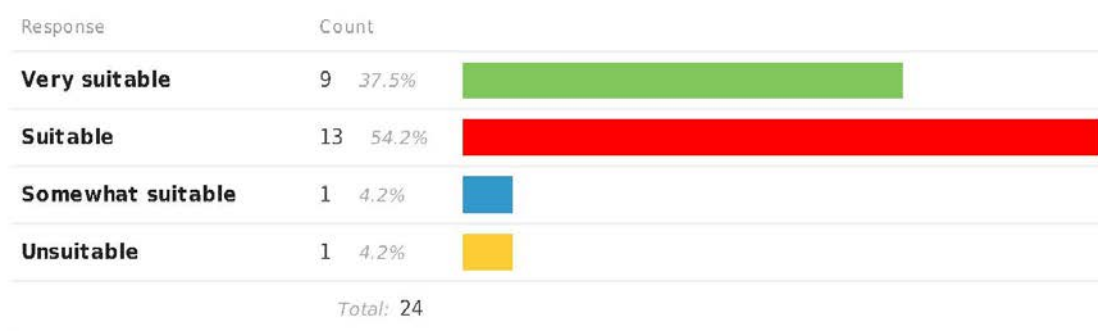
1. How suitable do you consider this site in terms of how the land is currently used, how a wastewater resource facility would fit with the surrounding area and future plans for the community?



2. How suitable do you consider this site in terms of potential for use of reclaimed water and energy recovered from the treatment process?



3. How suitable to you consider this site in terms of how close it is to existing sewer trunk and truck routes?



#9. Colwood City Centre

(must be combined with another site)



Address: Sooke Rd., Colwood

Ownership: Private

Size of site: 1.36 hectares

Elevation of site: 63 metres

Current use: Foundation for development site

Existing zoning: Comprehensive Development

OCP designation: City Centre

OCP factors:

- Encourage energy efficiency and green building technologies
- Colwood City Centre

Distance to truck route or arterial road:

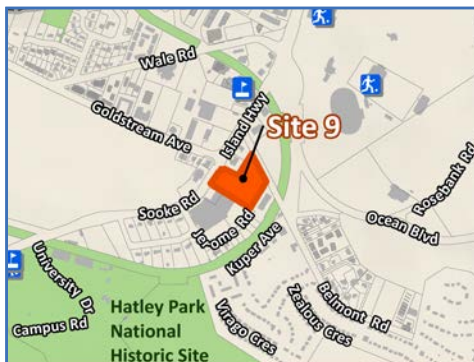


7 metres

Distance to CRD trunk main:



55 metres



Current water reuse recovery potential:

Low

Moderate

High

Current heat recovery potential:

Low

Moderate

High

Seismic Concerns:

Low

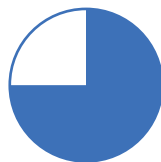
Moderate

High

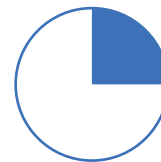
Other Considerations:

- Within regional growth centre
- Siting feasibility in conjunction with site Colwood - 10 and Colwood - 11

Access & Infrastructure



Land & Amenities

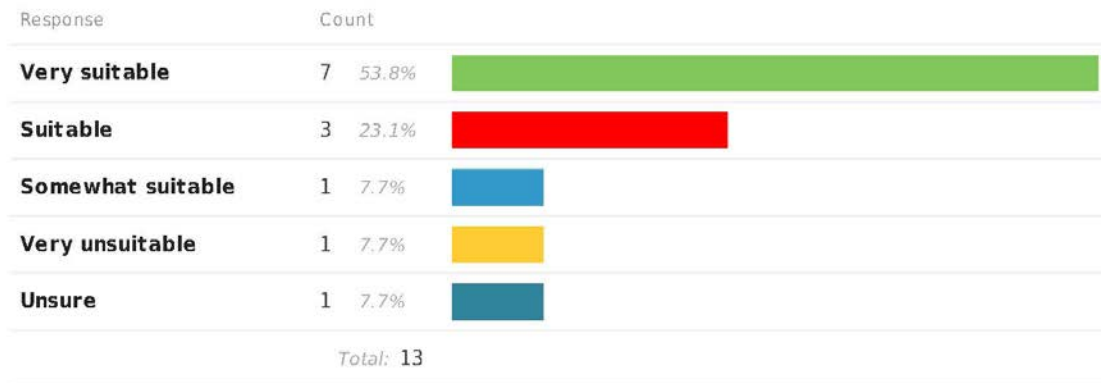


Resource Recovery

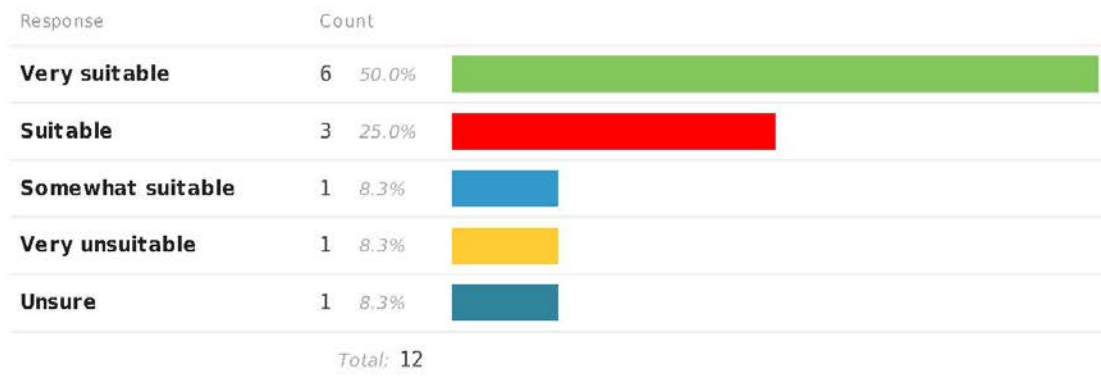


Colwood City Centre

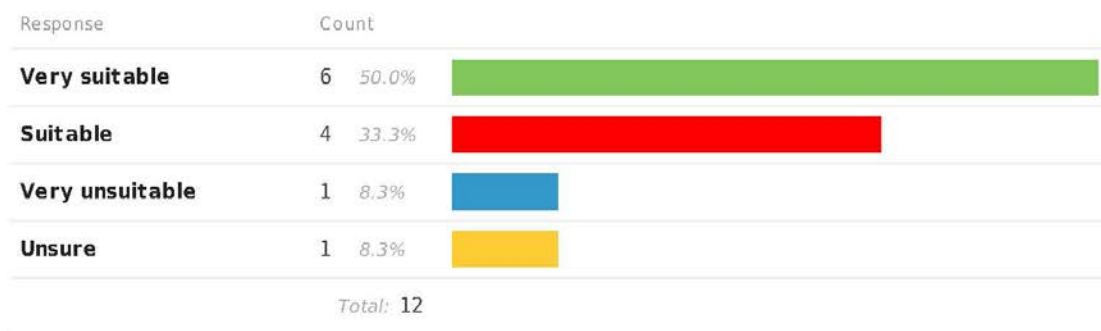
1. How suitable do you consider this site in terms of how the land is currently used, how a wastewater resource facility would fit with the surrounding area and future plans for the community?



2. How suitable do you consider this site in terms of potential for use of reclaimed water and energy recovered from the treatment process?

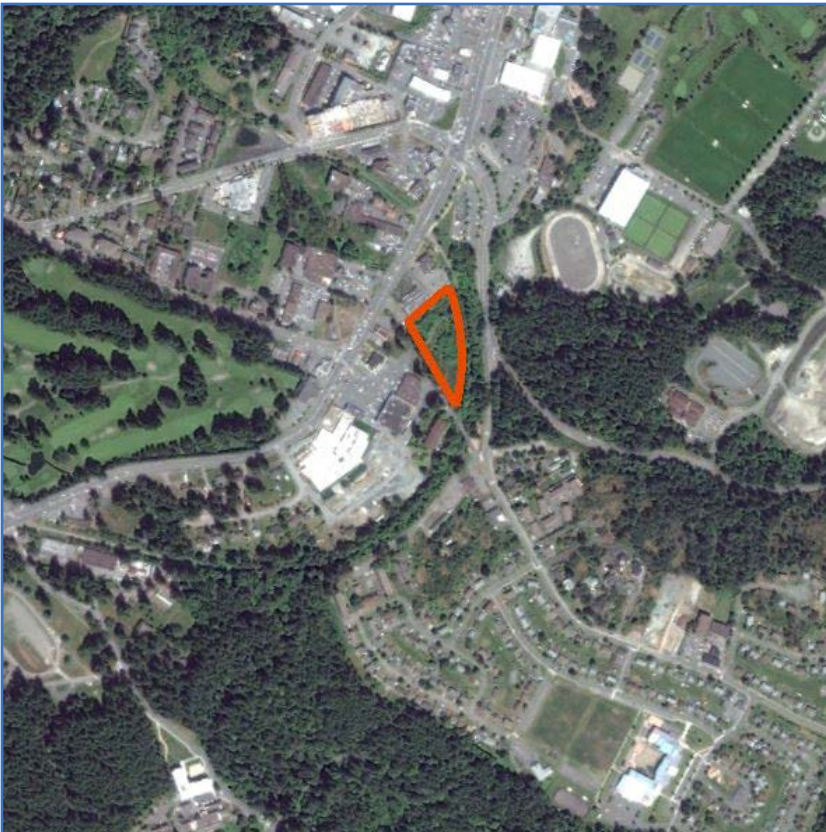


3. How suitable to you consider this site in terms of how close it is to existing sewer trunk and truck routes?



#10. Colwood VMP City Centre Adjacent

(must be combined with another site)



Address: Belmont Rd., Colwood

Ownership: Private

Size of site: 0.88 hectares

Elevation of site: 55 metres

Current use: Vacant

Existing zoning: Comprehensive Development

OCP designation: City Centre

OCP factors:

- Encourage energy efficiency and green building technologies
- Colwood City Centre

Distance to truck route or arterial road:



54 metres

Distance to CRD trunk main:



11 metres



Current water reuse recovery potential:

Low Moderate **High**

Current heat recovery potential:

Low Moderate High

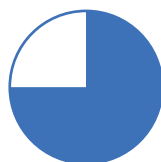
Seismic Concerns:

Low **Moderate** High

Other Considerations:

- Within regional growth centre
- Siting feasibility in conjunction with site Colwood - 9 and Colwood - 11

Access & Infrastructure



Land & Amenities



Resource Recovery



Colwood City Centre Adjacent

* Filtered: Colwood City Centre Adjacent

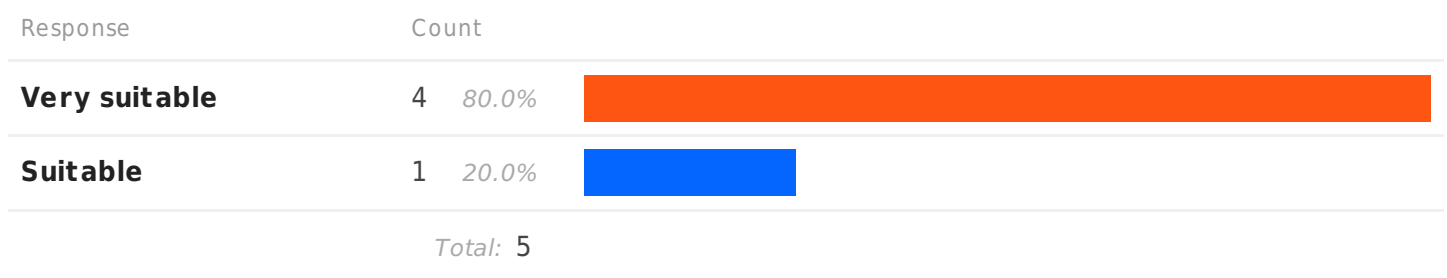
1. How suitable do you consider this site in terms of how the land is currently used, how a wastewater resource facility would fit with the surrounding area and future plans for the community?



2. How suitable do you consider this site in terms of potential for use of reclaimed water and energy recovered from the treatment process?

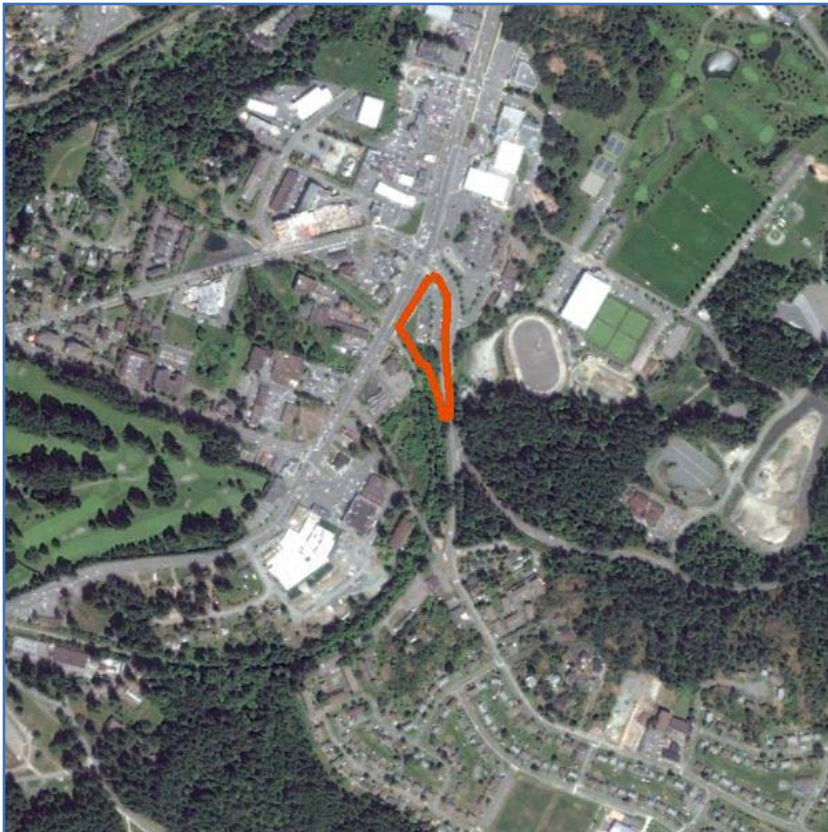


3. How suitable to you consider this site in terms of how close it is to existing sewer trunk and truck routes?



#11. Colwood Park and Ride

(must be combined with another site)



Address: Ocean Blvd., Colwood

Ownership: Private

Size of site: 0.99 hectares

Elevation of site: 46.5 metres

Current use: Parking Lot

Existing zoning: Park

OCP designation: City Centre

OCP factors:

- Encourage energy efficiency and green building technologies
- Colwood City Centre

Distance to truck route or arterial road:



10 metres

Distance to CRD trunk main:



7 metres



Current water reuse recovery potential:

Low Moderate **High**

Current heat recovery potential:

Low **Moderate** High

Seismic Concerns:

Low **Moderate** High

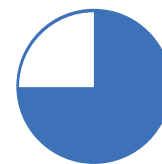
Other Considerations:

- Within regional growth centre
- Siting feasibility in conjunction with site Colwood - 9 and Colwood - 10

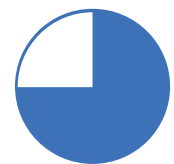
Access & Infrastructure



Land & Amenities

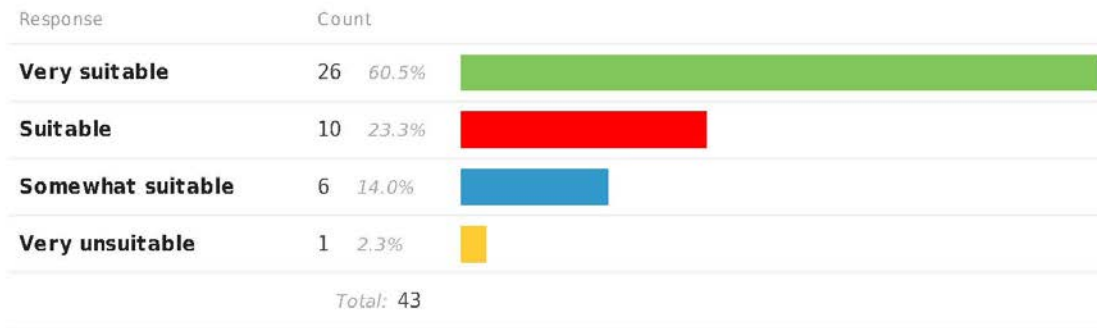


Resource Recovery

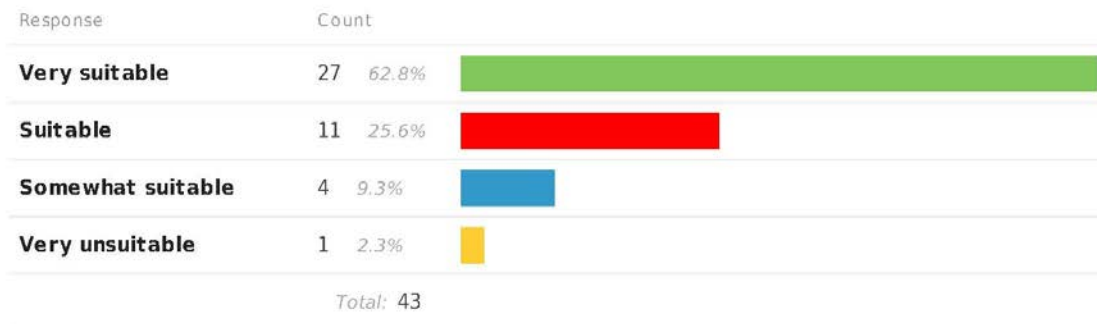


Colwood Park & Ride

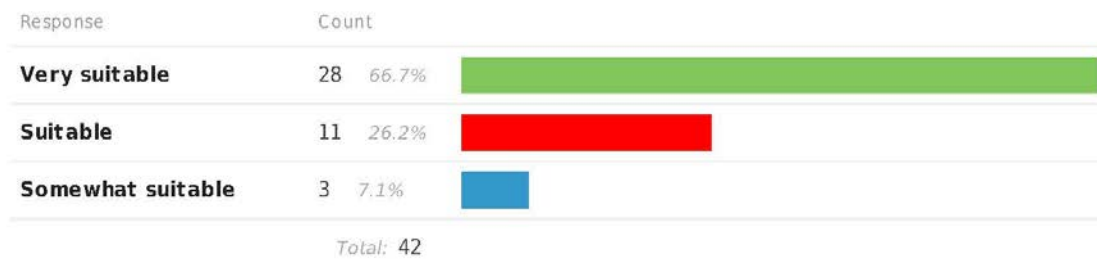
1. How suitable do you consider this site in terms of how the land is currently used, how a wastewater resource facility would fit with the surrounding area and future plans for the community?



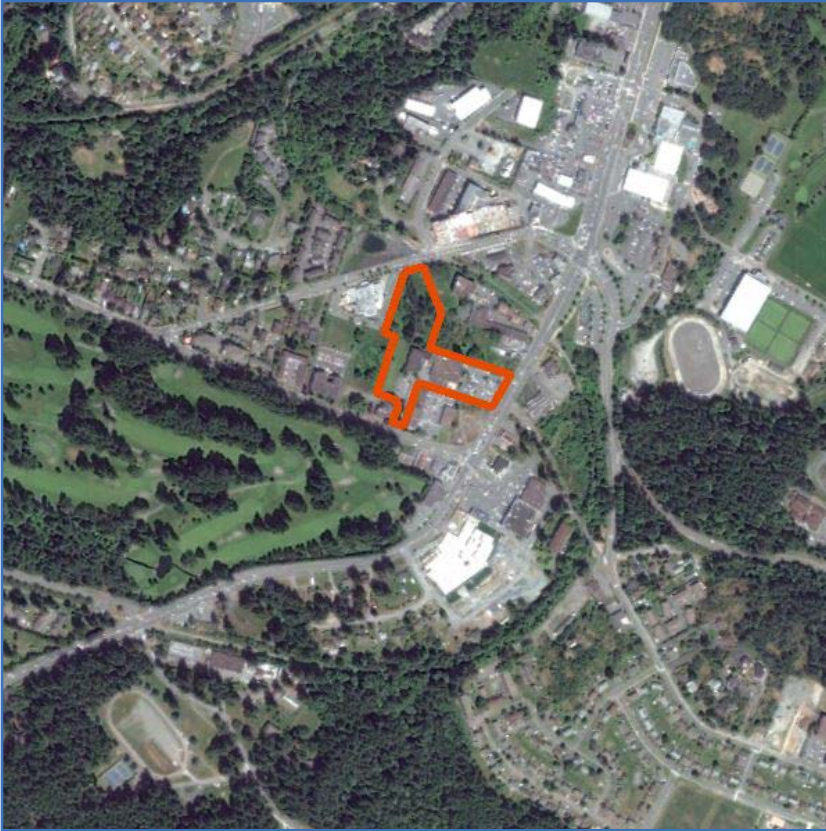
2. How suitable do you consider this site in terms of potential for use of reclaimed water and energy recovered from the treatment process?



3. How suitable to you consider this site in terms of how close it is to existing sewer trunk and truck routes?



#12. Colwood Island Highway



Address: Island Hwy., Colwood

Ownership: Private

Size of site: 2.27 hectares

Elevation of site: 58.5 metres

Current use: Vacant

Existing zoning: Commercial

OCP designation: City Centre

OCP factors:

- Encourage energy efficiency and green building technologies
- Colwood City Centre

Distance to truck route or arterial road:



9 metres

Distance to CRD trunk main:



88 metres



Current water reuse recovery potential:

Low Moderate **High**

Current heat recovery potential:

Low Moderate High

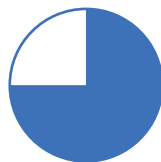
Seismic Concerns:

Low **Moderate** High

Other Considerations:

- Within regional growth centre
- Siting feasibility in conjunction with site Colwood - 13 (optional)

Access & Infrastructure



Land & Amenities



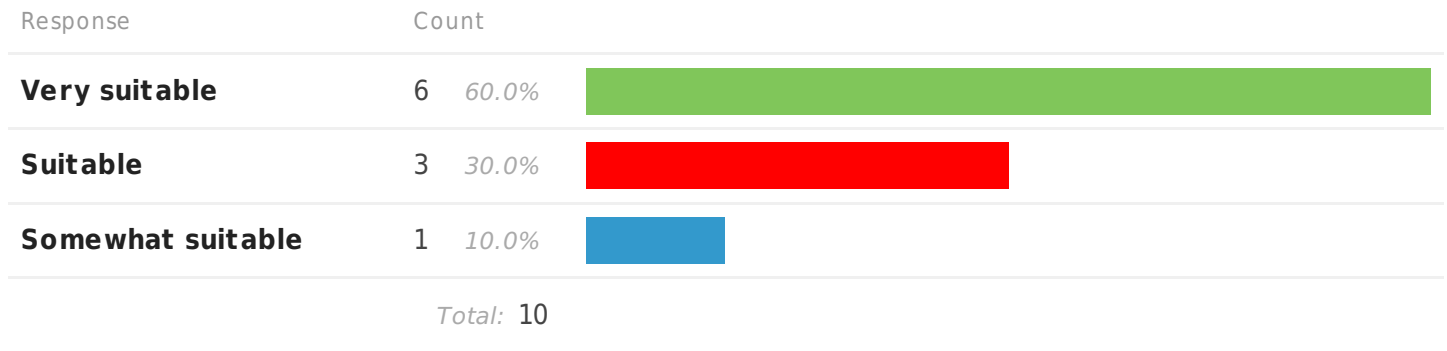
Resource Recovery



Colwood Island Highway at Goldstream

* Filtered: Colwood Island Highway at Goldstream

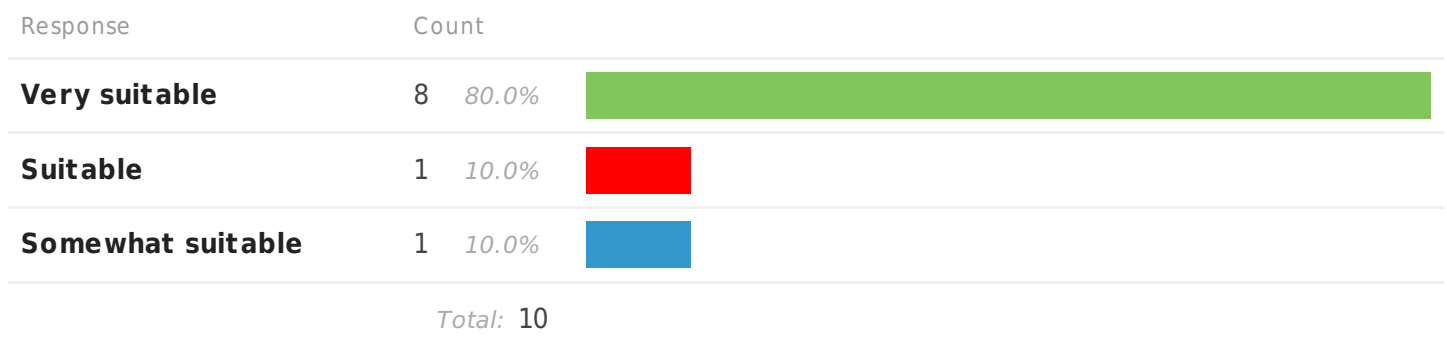
1. How suitable do you consider this site in terms of how the land is currently used, how a wastewater resource facility would fit with the surrounding area and future plans for the community?



2. How suitable do you consider this site in terms of potential for use of reclaimed water and energy recovered from the treatment process?



3. How suitable to you consider this site in terms of how close it is to existing sewer trunk and truck routes?



#13. Colwood Wale Road

(must be combined with another site)



Address: Wale Rd., Colwood

Ownership: Private

Size of site: 0.55 hectares

Elevation of site: 51 metres

Current use: Vacant

Existing zoning: Residential

OCP designation: City Centre

OCP factors:

- Encourage energy efficiency and green building technologies
- Colwood City Centre

Distance to truck route or arterial road:

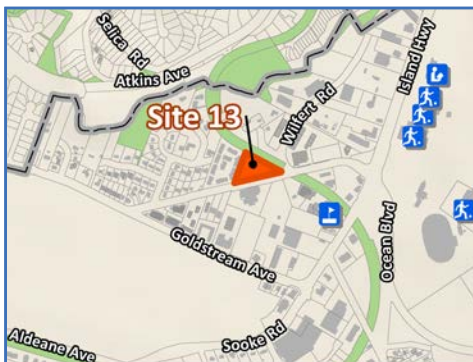


207 metres

Distance to CRD trunk main:



246 metres



Current water reuse recovery potential:

Low Moderate **High**

Current heat recovery potential:

Low Moderate High

Seismic Concerns:

Low **Moderate** High

Other Considerations:

- Within regional growth centre
- Siting feasibility in conjunction with site Colwood - 12

Access & Infrastructure



Land & Amenities

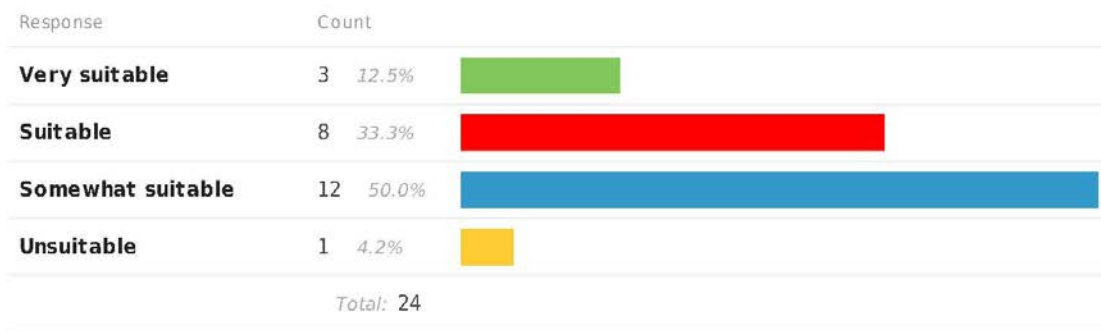


Resource Recovery

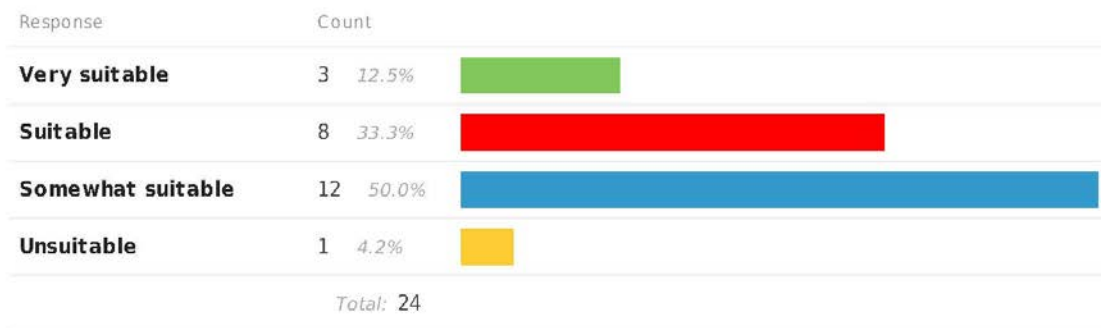


Colwood Wale Road

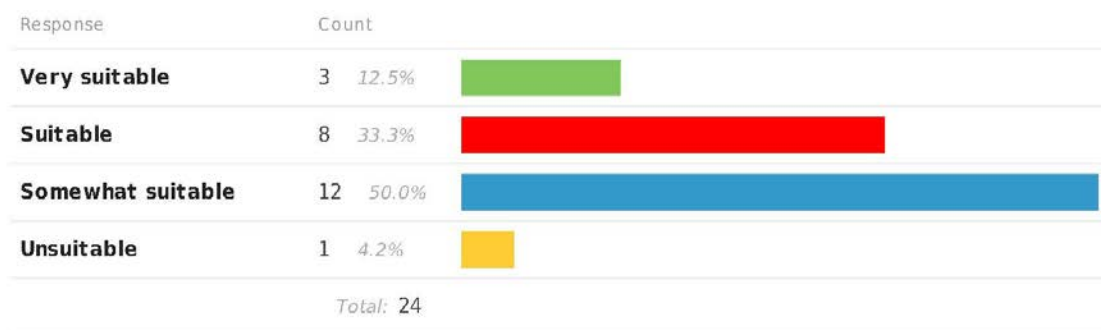
1. How suitable do you consider this site in terms of how the land is currently used, how a wastewater resource facility would fit with the surrounding area and future plans for the community?



2. How suitable do you consider this site in terms of potential for use of reclaimed water and energy recovered from the treatment process?



3. How suitable to you consider this site in terms of how close it is to existing sewer trunk and truck routes?



#14. Colwood West Shore Parks & Rec



Address: Island Hwy., Colwood

Ownership: Multiple Municipalities (5)

Size of site: 44.10 hectares

Elevation of site: 29 metres

Current use: Recreation Centre / Sport Fields

Existing zoning: Park / Recreation

OCP designation: Park

OCP factors:

- Colwood City Centre
- Encourage energy efficiency and green building development
- Sensitive Ecosystems and Hazardous Conditions Development Permit Area

Distance to truck route or arterial road:

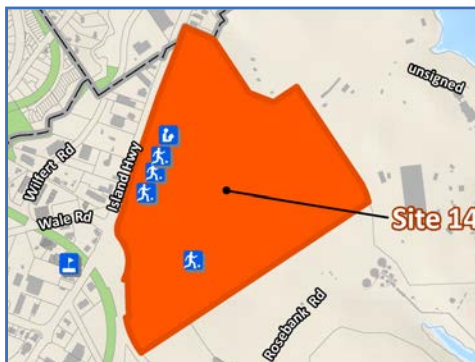


7 metres

Distance to CRD trunk main:



5 metres



Current water reuse recovery potential:

Low

Moderate

High

Current heat recovery potential:

Low

Moderate

High

Seismic Concerns:

Low

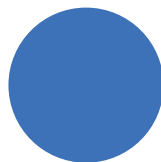
Moderate

High

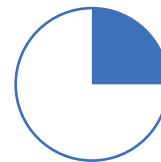
Other Considerations:

- Multiple municipal owners (5)
- Adjacent to regional centre
- Recreational opportunities need to be maintained

Access & Infrastructure



Land & Amenities

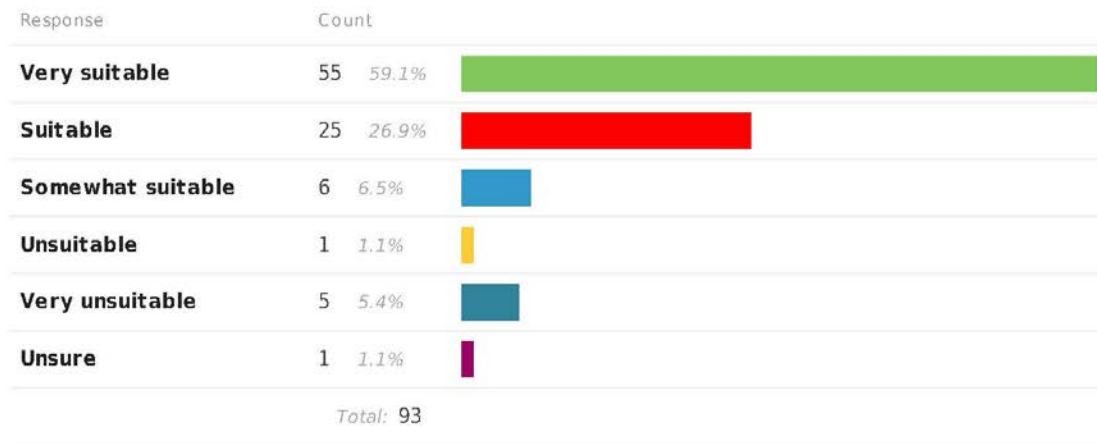


Resource Recovery

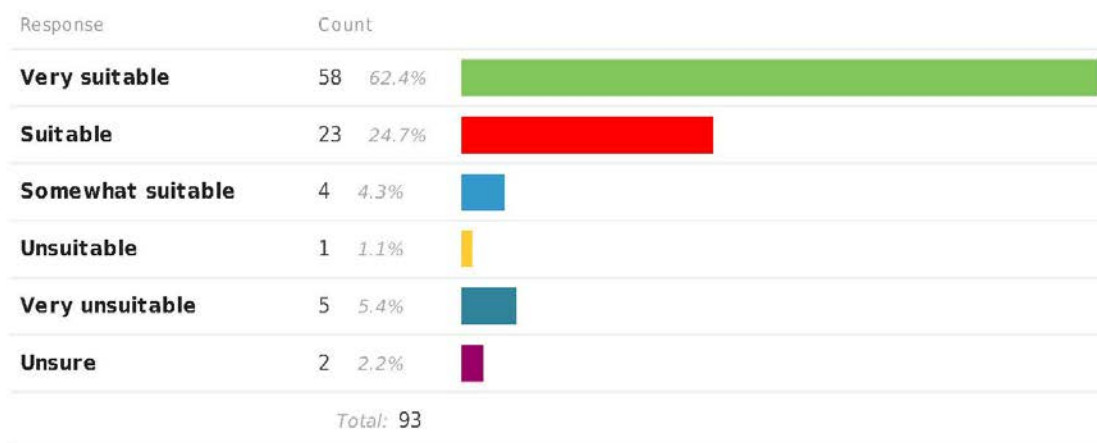


Colwood West Shore Parks & Recreation

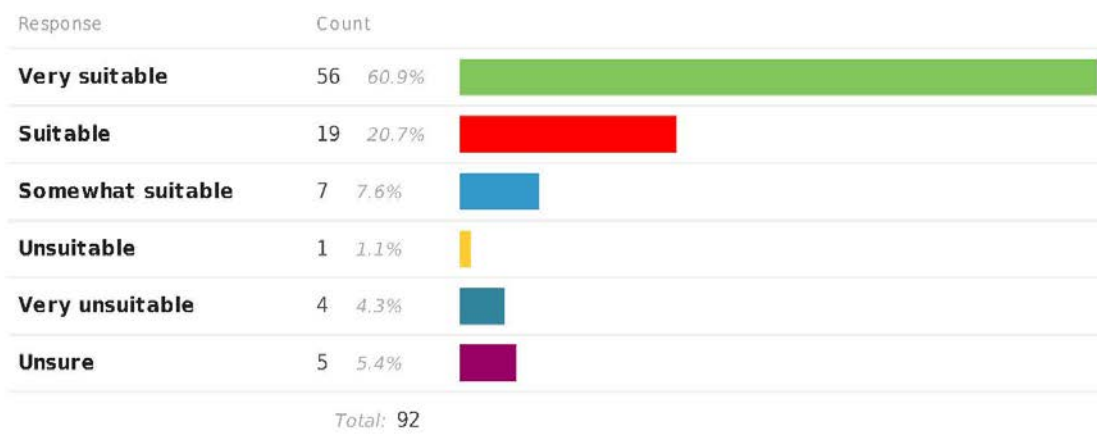
1. How suitable do you consider this site in terms of how the land is currently used, how a wastewater resource facility would fit with the surrounding area and future plans for the community?



2. How suitable do you consider this site in terms of potential for use of reclaimed water and energy recovered from the treatment process?



3. How suitable to you consider this site in terms of how close it is to existing sewer trunk and truck routes?



#21. Colwood Golf Club



Address: Aldeane Ave, Colwood

Ownership: Private

Size of site: 1.2 hectares

Elevation of site: 62 metres

Current use: Vacant

Existing zoning: Agricultural

OCP designation: Open Space

OCP factors:

- Adjacent to Colwood Creek (riparian area)

Distance to truck route or arterial road:



270 metres

Distance to CRD trunk main:



5 metres



Current water reuse recovery potential:

Low Moderate **High**

Current heat recovery potential:

Low **Moderate** High

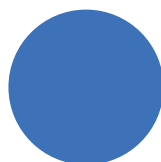
Seismic Concerns:

Low **Moderate** High

Other Considerations:

- Adjacent to Galloping Goose Trail
- Proximal to Royal Roads University
- Conditional exclusion from the Agricultural Land Reserve (ALR) in 2014

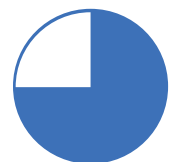
Access & Infrastructure



Land & Amenities

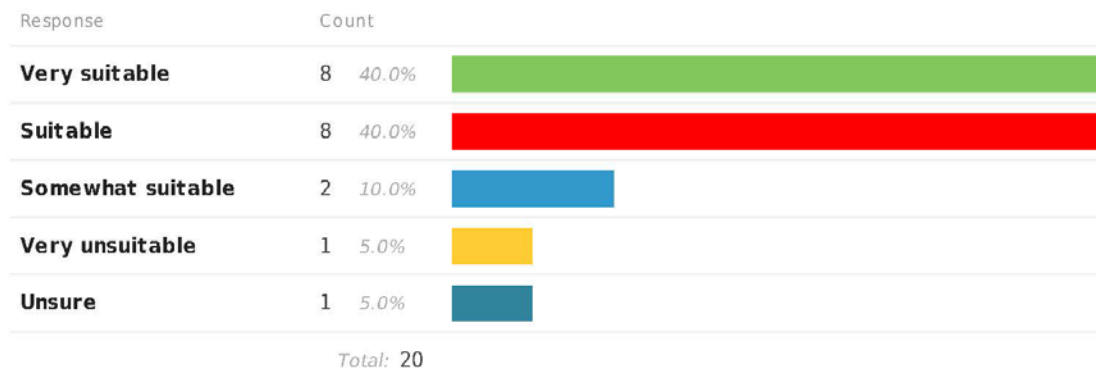


Resource Recovery

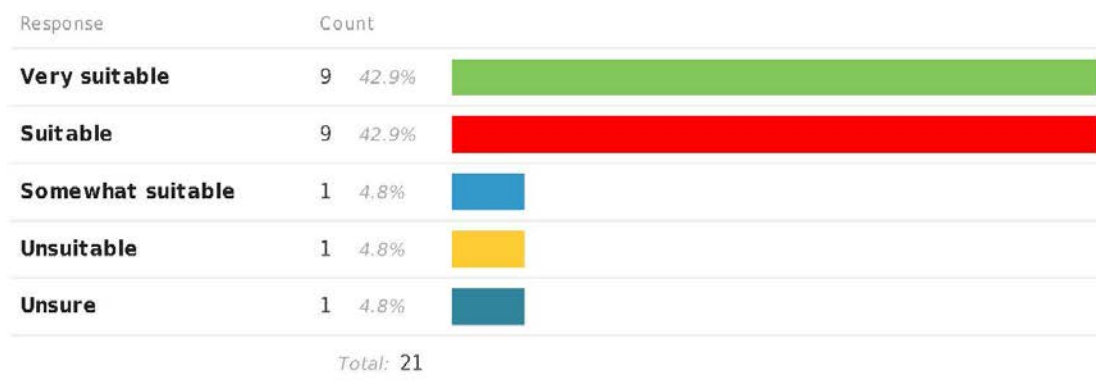


Colwood Royal Colwood Golfcourse

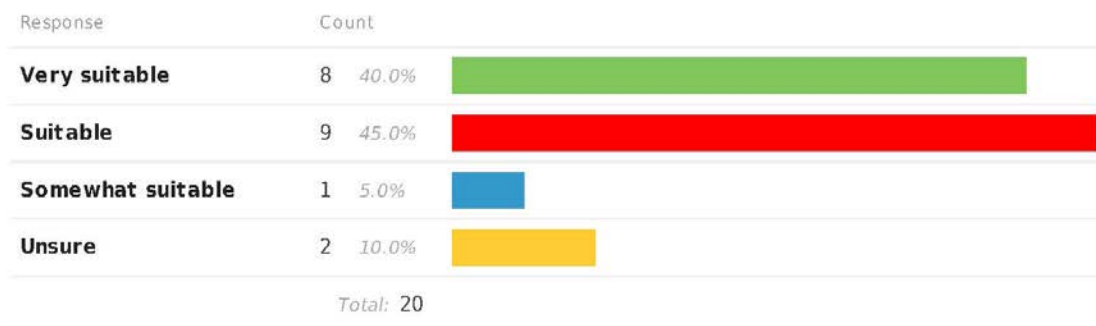
1. How suitable do you consider this site in terms of how the land is currently used, how a wastewater resource facility would fit with the surrounding area and future plans for the community?



2. How suitable do you consider this site in terms of potential for use of reclaimed water and energy recovered from the treatment process?



3. How suitable to you consider this site in terms of how close it is to existing sewer trunk and truck routes?



#15. Esquimalt Nation



Address: Admirals Rd., Esquimalt Nation

Ownership: First Nation

Size of site: 4.65 hectares

Elevation of site: 13 metres

Current use: Vacant

Existing zoning: Not applicable

OCP designation: Not applicable

OCP factors: Not applicable

Distance to truck route or arterial road:



5 metres

Distance to CRD trunk main:



5 metres



Current water reuse recovery potential:

Low Moderate High

Current heat recovery potential:

Low Moderate High

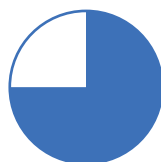
Seismic Concerns:

Low Moderate High

Other Considerations:

- Subject site adjacent to Songhees Nation and Town of View Royal

Access & Infrastructure



Land & Amenities

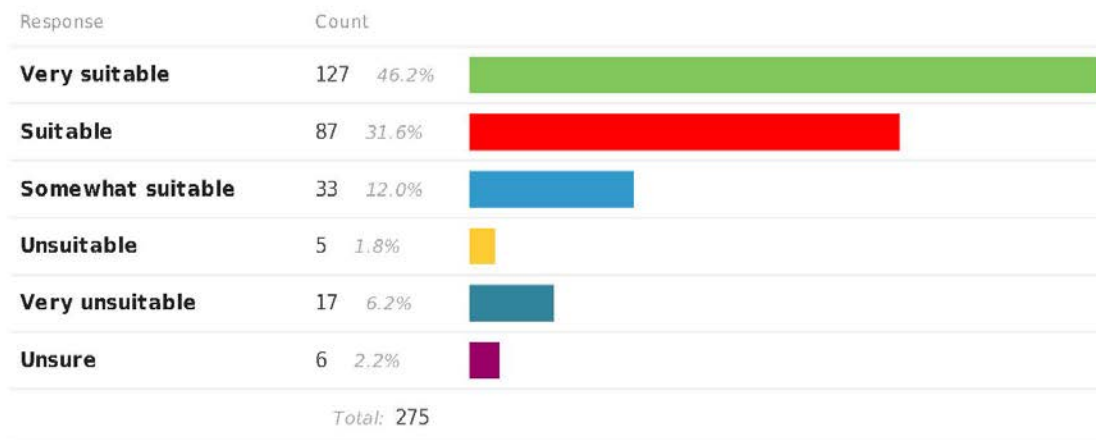


Resource Recovery

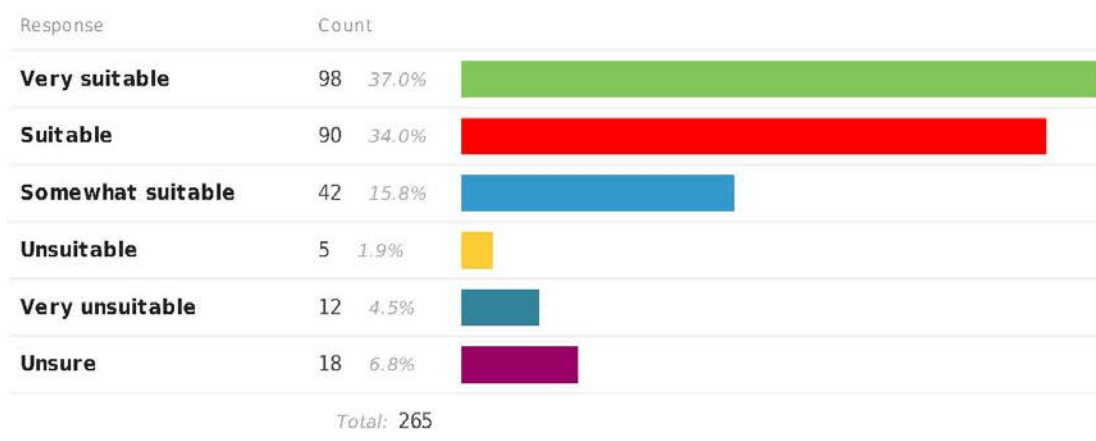


Esquimalt Nation

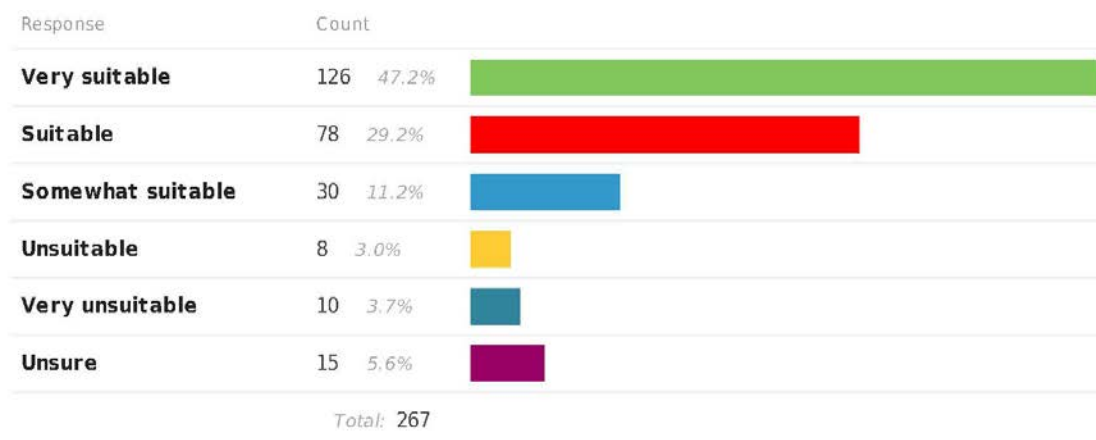
1. How suitable do you consider this site in terms of how the land is currently used, how a wastewater resource facility would fit with the surrounding area and future plans for the community?



2. How suitable do you consider this site in terms of potential for use of reclaimed water and energy recovered from the treatment process?



3. How suitable to you consider this site in terms of how close it is to existing sewer trunk and truck routes?



#16. View Royal Burnside & Watkiss



Address: Burnside Rd., View Royal

Ownership: Provincial

Size of site: 2.26 hectares

Elevation of site: 10 metres

Current use: Vacant / Archery Club

Existing zoning: Park

OCP designation: Park

OCP factors:

- Hospital Neighbourhood
- Terrestrial Sensitive Ecosystem Development Permit Area

Distance to truck route or arterial road:

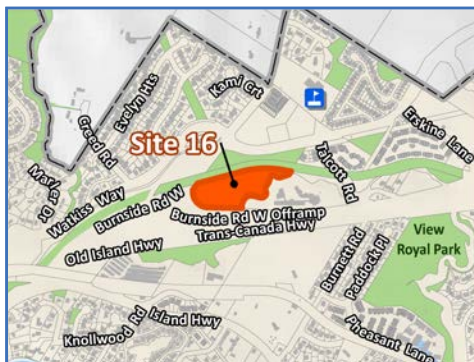


26 metres

Distance to CRD trunk main:



354 metres



Current water reuse recovery potential:

Low **Moderate** High

Current heat recovery potential:

Low **Moderate** High

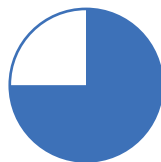
Seismic Concerns:

Low **Moderate** High

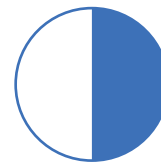
Other Considerations:

- Potential Archeological Concerns
- BC Hydro right-of-way (ROW)

Access & Infrastructure



Land & Amenities

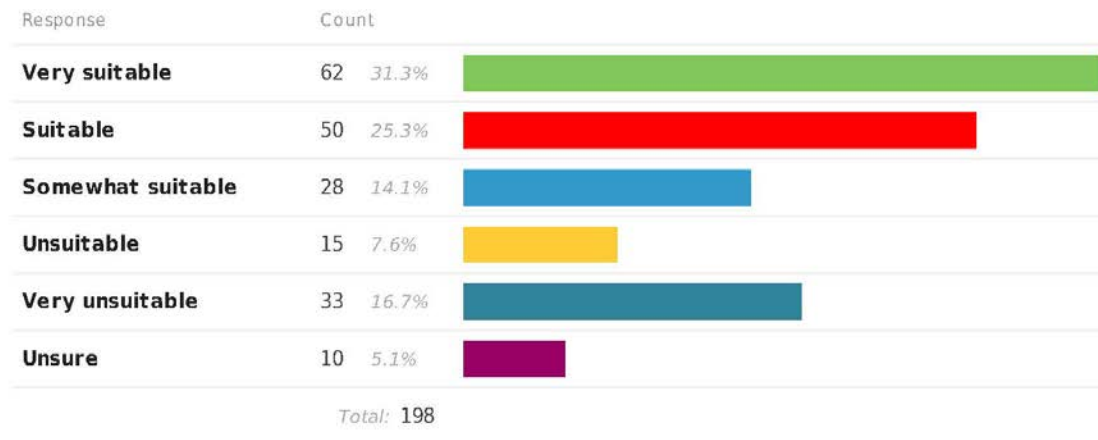


Resource Recovery

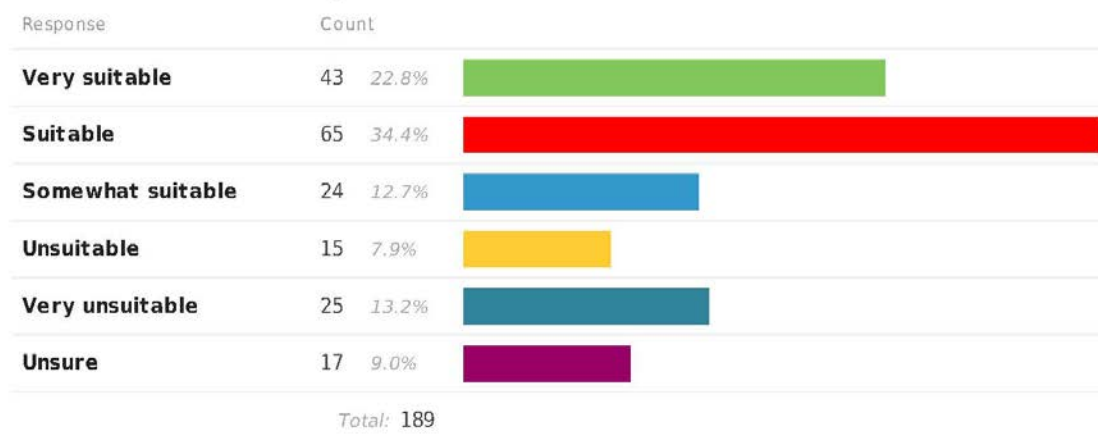


View Royal

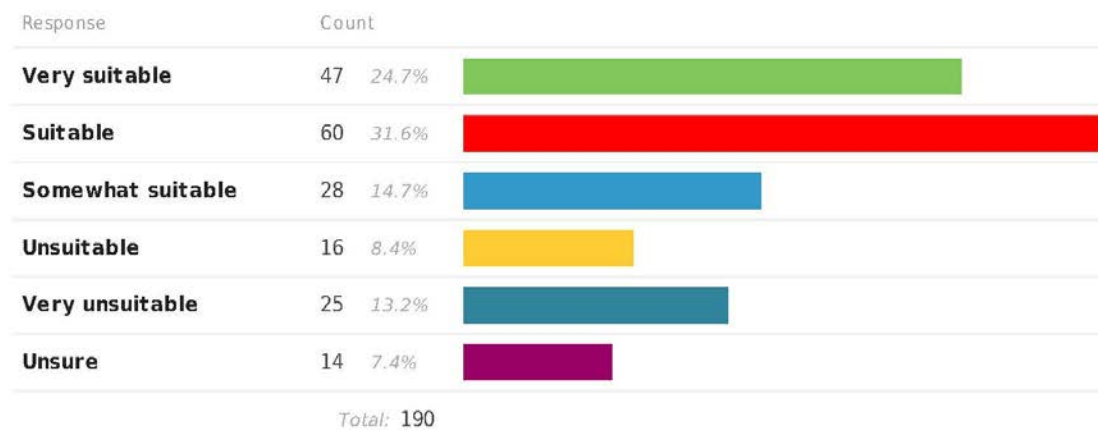
1. How suitable do you consider this site in terms of how the land is currently used, how a wastewater resource facility would fit with the surrounding area and future plans for the community?



2. How suitable do you consider this site in terms of potential for use of reclaimed water and energy recovered from the treatment process?



3. How suitable to you consider this site in terms of how close it is to existing sewer trunk and truck routes?



#17. Esquimalt Bullen Park



Address: Fraser St., Esquimalt

Ownership: Municipal

Size of site: 3.64 hectares

Elevation of site: 20.5 metres

Current use: Sports Field

Existing zoning: Park

OCP designation: Institutional / Parks and Open Space

OCP factors:

- Esquimalt Village

Distance to truck route or arterial road:

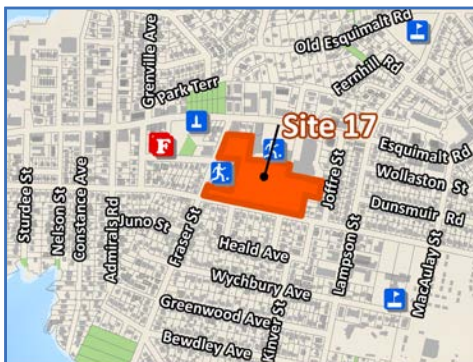


160 metres

Distance to CRD trunk main:



6 metres



Current water reuse recovery potential:

Low **Moderate** High

Current heat recovery potential:

Low **Moderate** High

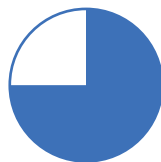
Seismic Concerns:

Low **Moderate** High

Other Considerations:

- Within regional growth centre
- Would likely pump back from Macaulay pump station (1460 m)
- Recreational opportunities need to be maintained

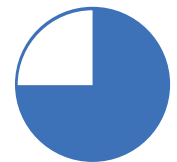
Access & Infrastructure



Land & Amenities



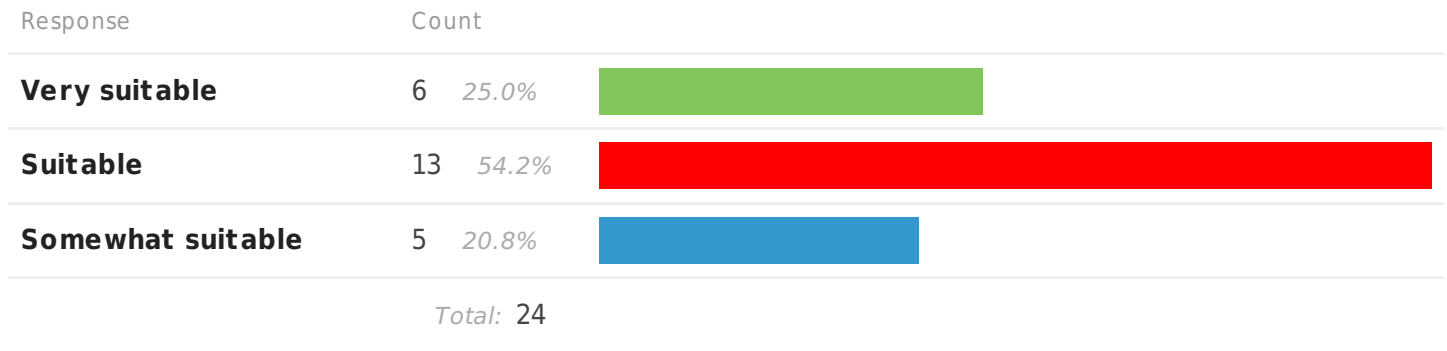
Resource Recovery



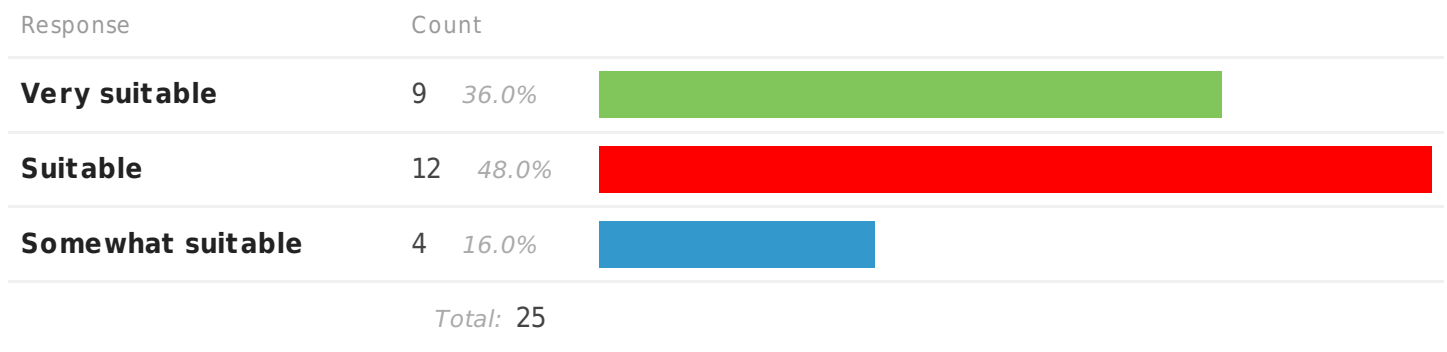
Esquimalt Bullen Park

* Filtered: Esquimalt Bullen Park

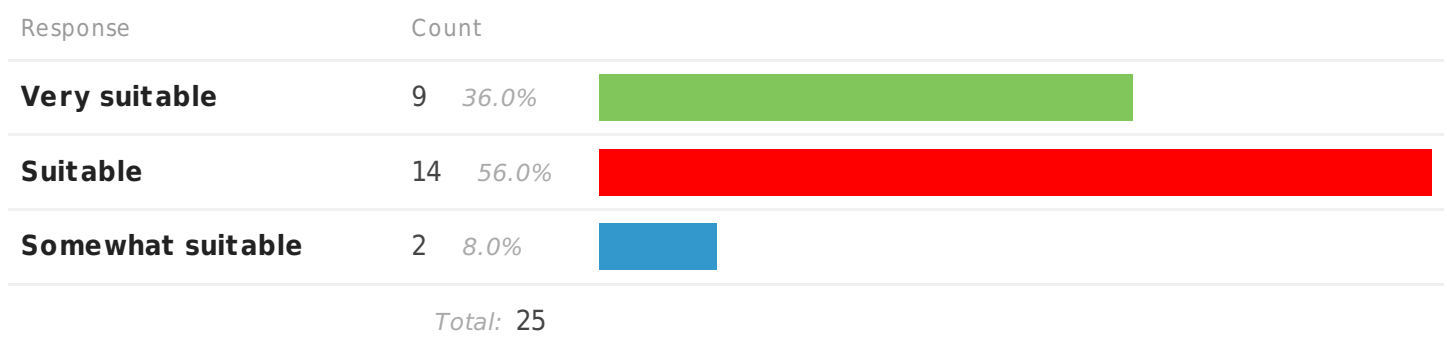
1. How suitable do you consider this site in terms of how the land is currently used, how a wastewater resource facility would fit with the surrounding area and future plans for the community?



2. How suitable do you consider this site in terms of potential for use of reclaimed water and energy recovered from the treatment process?



3. How suitable to you consider this site in terms of how close it is to existing sewer trunk and truck routes?



#18. Esquimalt Town Centre



Address: Esquimalt Rd., Esquimalt

Ownership: Municipal

Size of site: 1.03 hectares

Elevation of site: 22.5 metres

Current use: Parking Lot

Existing zoning: Town Centre

OCP designation: Institutional

OCP factors:

- Esquimalt Village

Distance to truck route or arterial road:



58 metres

Distance to CRD trunk main:



98 metres



Current water reuse recovery potential:

Low Moderate High

Current heat recovery potential:

Low Moderate High

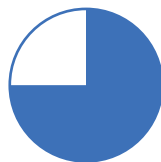
Seismic Concerns:

Low Moderate High

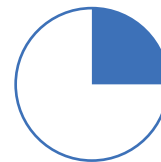
Other Considerations:

- Within regional growth centre
- Small site

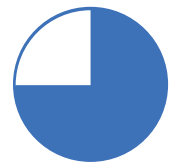
Access & Infrastructure



Land & Amenities

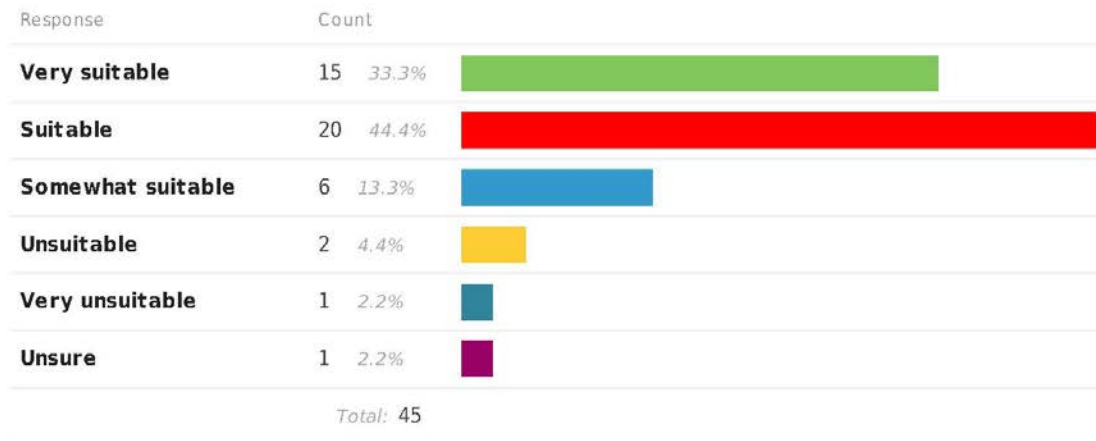


Resource Recovery

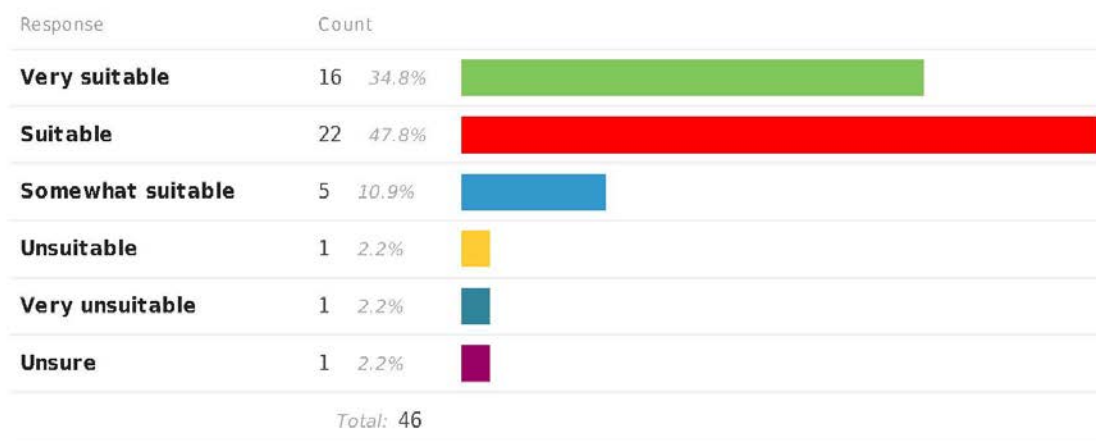


Esquimalt Town Centre

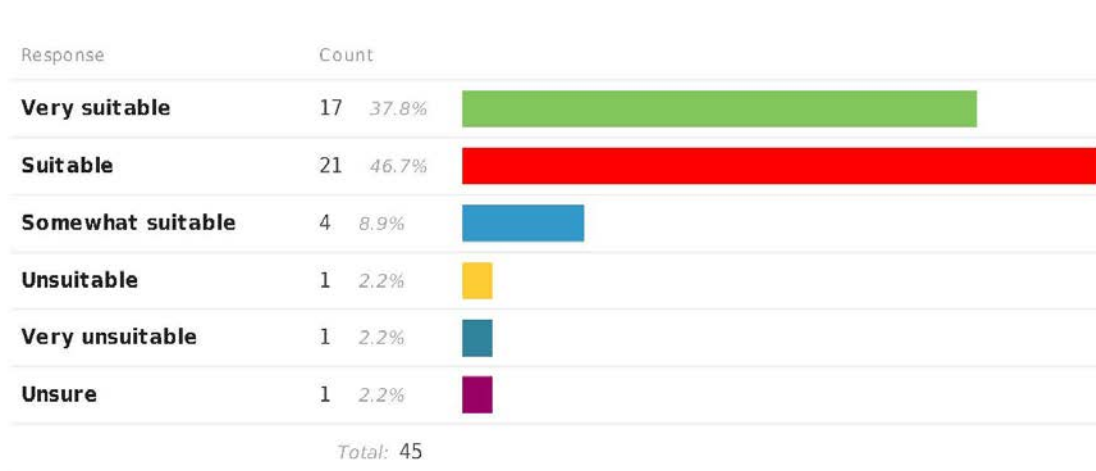
1. How suitable do you consider this site in terms of how the land is currently used, how a wastewater resource facility would fit with the surrounding area and future plans for the community?



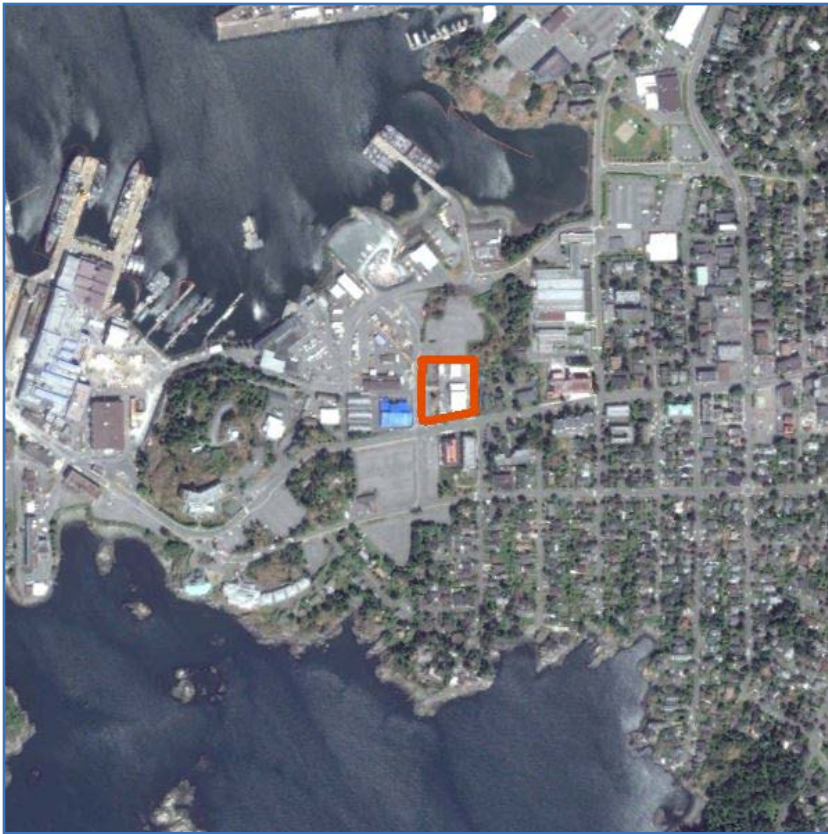
2. How suitable do you consider this site in terms of potential for use of reclaimed water and energy recovered from the treatment process?



3. How suitable to you consider this site in terms of how close it is to existing sewer trunk and truck routes?



#19. Esquimalt Works Yard



Address: Esquimalt Rd., Esquimalt

Ownership: Municipal

Size of site: 0.86 hectares

Elevation of site: 14 metres

Current use: Esquimalt public works yard

Existing zoning: Industrial

OCP designation: Institutional

OCP factors:

Distance to truck route or arterial road:



510 metres

Distance to CRD trunk main:



358 metres



Current water reuse recovery potential:

Low Moderate High

Current heat recovery potential:

Low Moderate High

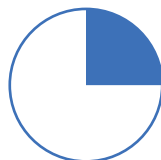
Seismic Concerns:

Low Moderate High

Other Considerations:

- Potential for heat recovery on DND land, but would require partnership
- Small site

Access & Infrastructure



Land & Amenities

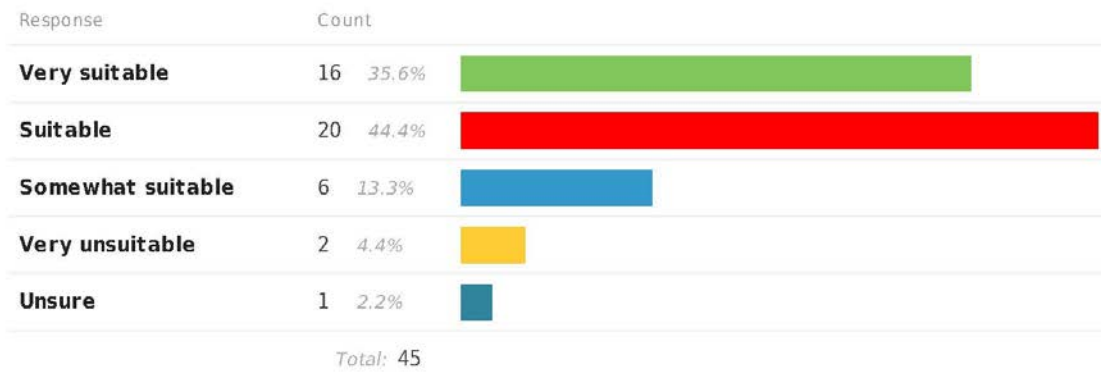


Resource Recovery

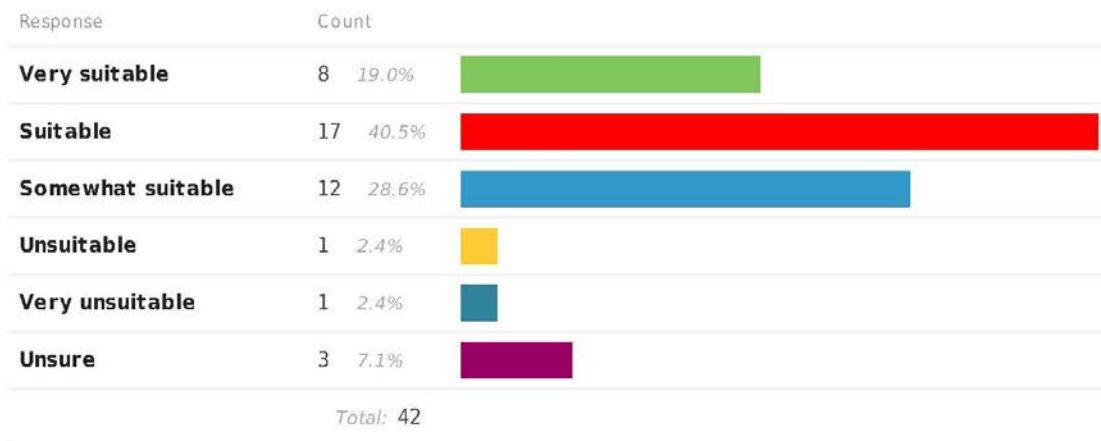


Esquimalt Works Yard

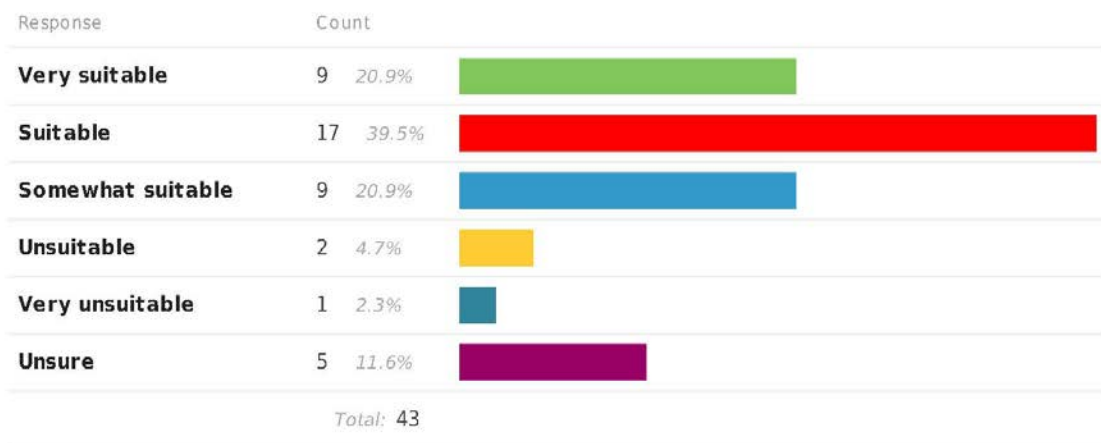
1. How suitable do you consider this site in terms of how the land is currently used, how a wastewater resource facility would fit with the surrounding area and future plans for the community?



2. How suitable do you consider this site in terms of potential for use of reclaimed water and energy recovered from the treatment process?



3. How suitable to you consider this site in terms of how close it is to existing sewer trunk and truck routes?



#20. Esquimalt Lampson Field



Address: Lampson St., Esquimalt

Ownership: Municipal

Size of site: 1.97 hectares

Elevation of site: 6.5 metres

Current use: Sports Field

Existing zoning: Park

OCP designation: Parks and Open Space

OCP factors:

Distance to truck route or arterial road:



427 metres

Distance to CRD trunk main:



556 metres



Current water reuse recovery potential:

Low Moderate High

Current heat recovery potential:

Low Moderate High

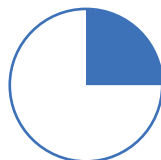
Seismic Concerns:

Low Moderate High

Other Considerations:

- Recreational opportunities need to be maintained

Access & Infrastructure



Land & Amenities

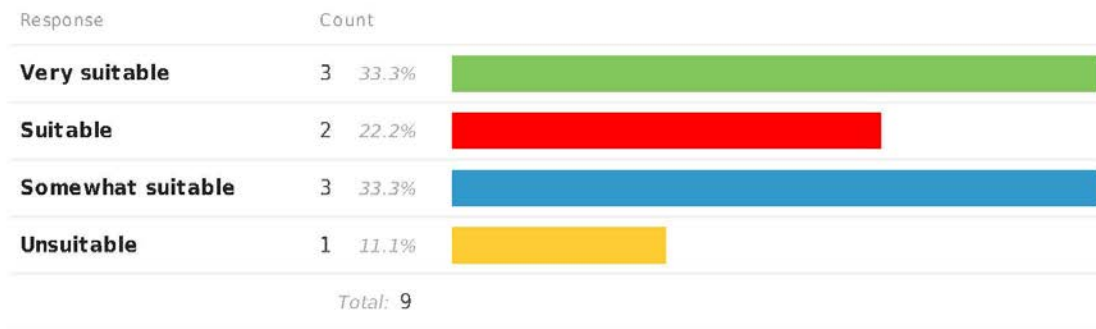


Resource Recovery

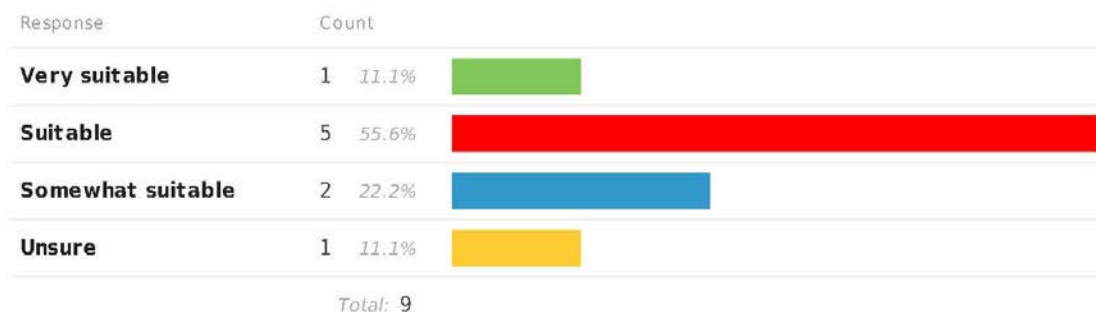


Esquimalt Lampson Field

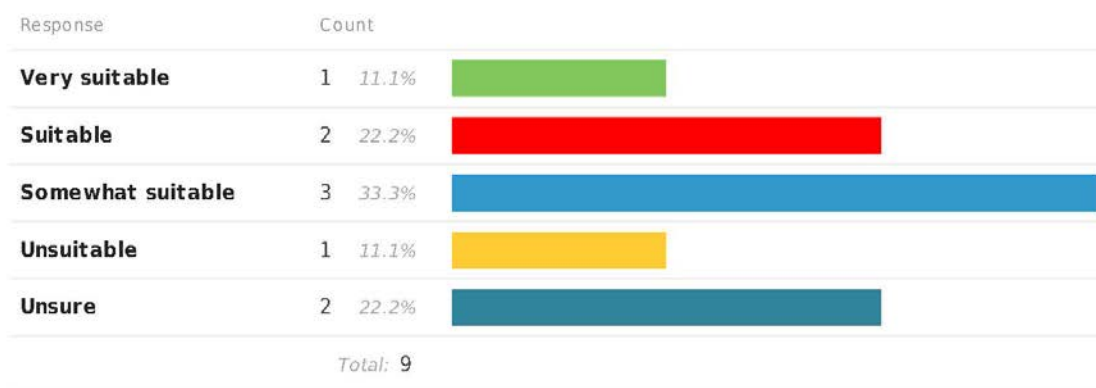
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Wastewater Treatment & Resource Recovery