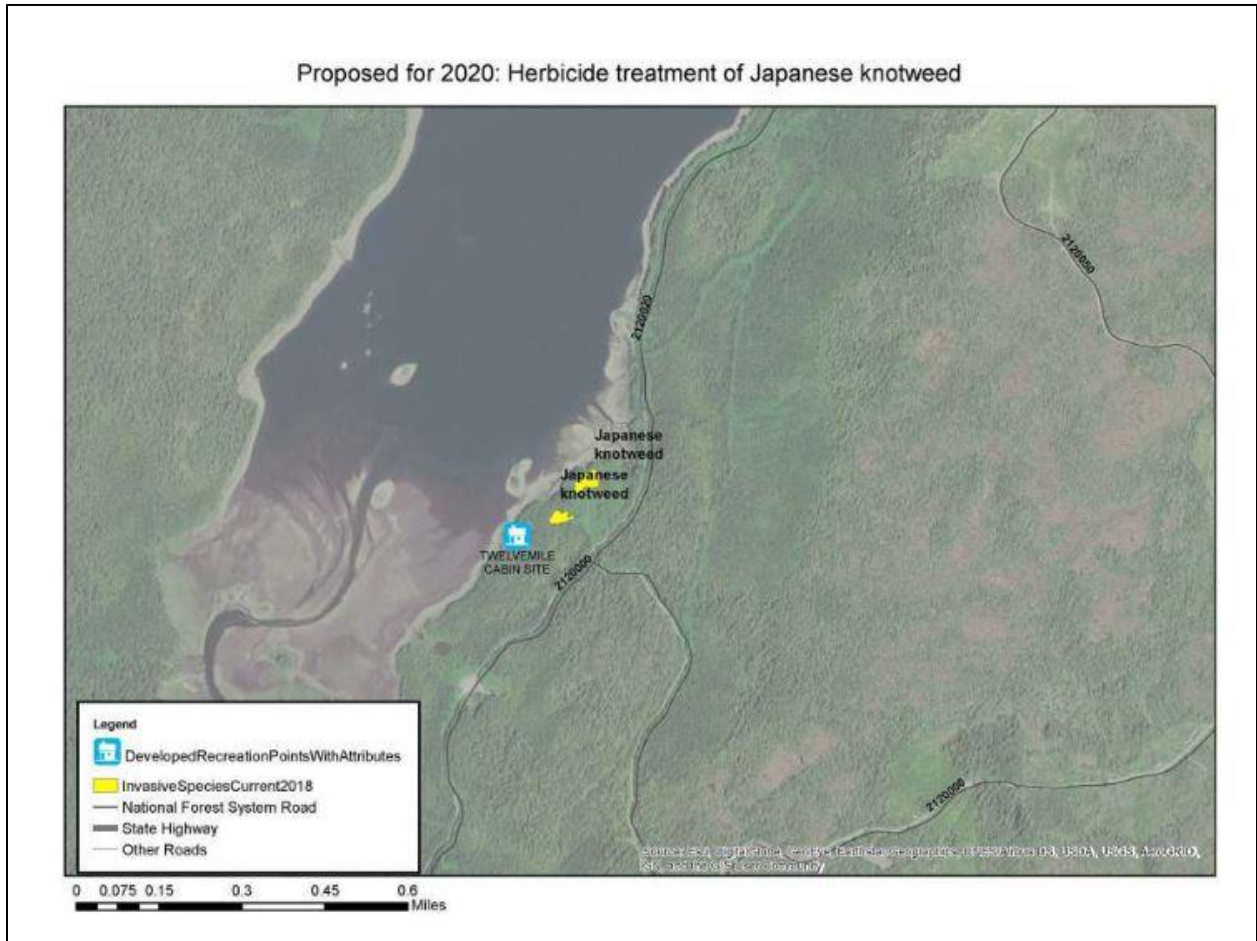


# Proposed Japanese Knotweed (*Polygonum cuspidatum*) along Twelvemile Arm Road

Treatment of Japanese knotweed is proposed herbicidal treatments. Proposed treatment will begin in 2022, and will be ongoing until the infestation is under control, which may be up to 5 years or more.

The proposed treatments will follow the project design features detailed in the POWLLA ROD Appendix 1: Activity Cards and Appendix 2: Implementation Plan.



## Herbicidal treatment proposal

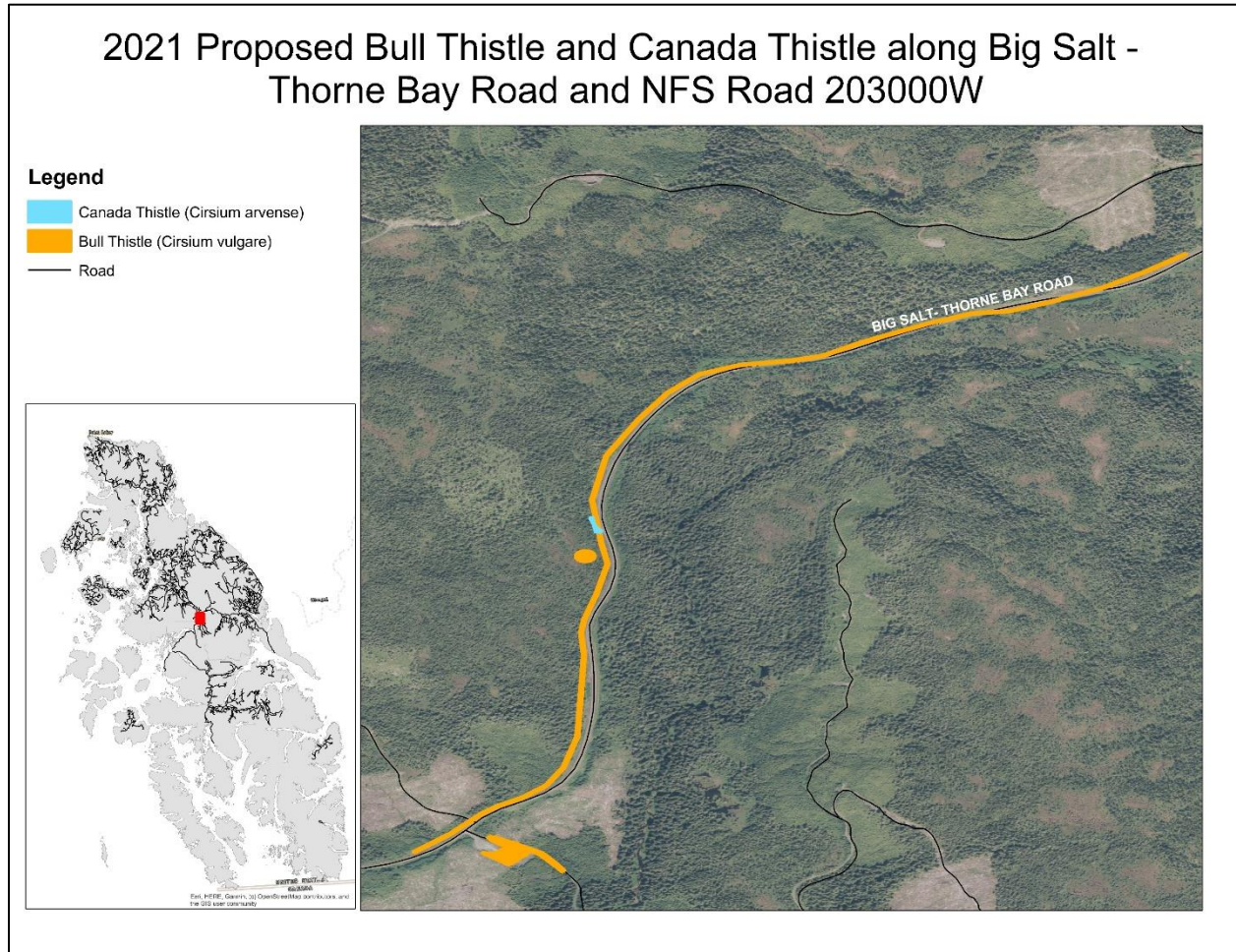
	Target Species
	Japanese Knotweed
<b>Location</b>	Coffman Cove and East Prince of Wales Road Intersection
<b>Herbicide 1</b>	Aminopyralid (Milestone)
<b>Application Method 1</b>	Backpack sprayer
<b>Application Rate 1</b>	7 oz/ acre
<b>Herbicide 2</b>	Imazapyr
<b>Application Method 2</b>	backpack sprayer
<b>Application Rate 2</b>	1.5 – 2 pints/acre

All proposed herbicidal treatments would be done using a backpack sprayer to selectively spot spray individual target species, reducing drift and spraying of non-target species. Herbicides will not be applied when average wind speeds exceed the maximum wind speed stated in the product labeling (10 miles per hour) or 7 miles per hour is not maximum wind speed is specified in the labeling. Herbicides will not be applied immediately prior to, during, or immediately after a rain event at the treatment site to prevent pesticide runoff into adjacent water bodies and saturated soils or loss of pesticide penetration.

## Proposed Canada Thistle (*Cirsium arvense*) and Bull Thistle (*Cirsium vulgare*) along Big Salt – Thorne Bay Road and NFS Road 203000W Treatment Plan

Treatment of Canada thistle and bull thistle is proposed under an adaptive management style, allowing for both manual and herbicidal treatments. Proposed treatment will begin in 2021 and will be ongoing until the infestation is under control, which may be up to 5 years or more.

The proposed treatments will follow the project design features detailed in the POWLLA ROD Appendix 1: Activity Cards and Appendix 2: Implementation Plan.



### Manual Treatment Proposal

	Target Species	
	Canada Thistle	Bull Thistle
<b>Location</b>	Big Salt – Thorne Bay Road and NFS Road 203000W	Big Salt – Thorne Bay Road and NFS Road 203000W
<b>Method</b>	manual (hand pulling, cutting, clipping)	manual (hand pulling, cutting, clipping)

Removal of Canada thistle and bull thistle done by manual treatment may include hand pulling and clipping of invasive plant species. All material will be bagged and removed from the site to reduce spread of reproductive propagules.

## Herbicidal treatment proposal

	Target Species	
	Canada Thistle	Bull Thistle
<b>Location</b>	Big Salt – Thorne Bay Road and NFS Road 203000W	Big Salt – Thorne Bay Road and NFS Road 203000W
<b>Herbicide 1</b>	Aminopyralid (Milestone)	Aminopyralid (Milestone)
<b>Application Method 1</b>	Backpack sprayer	Backpack sprayer
<b>Application Rate 1</b>	5 - 7 oz/ acre	3 - 5 oz/acre
<b>Herbicide 2</b>	Glyphosate (AquaPro, Roundup Custom, or Rodeo Aquaneat)	Imazapyr
<b>Application Method 2</b>	Backpack sprayer	backpack sprayer
<b>Application Rate 2</b>	0.5 – 2 lbs ae/ acre	1.5 – 2 pints/acre
<b>Herbicide 2</b>	Imazapyr	Imazapyr
<b>Application Method 2</b>	backpack sprayer	backpack sprayer
<b>Application Rate 2</b>	2 – 3 pints/acre	1.5 – 2 pints/acre

All proposed herbicidal treatments would be done using a backpack sprayer to selectively spot spray individual target species, reducing drift and spraying of non-target species. Herbicides will not be applied when average wind speeds exceed the maximum wind speed stated in the product labeling (10 miles per hour) or 7 miles per hour is not maximum wind speed is specified in the labeling. Herbicides will not be applied immediately prior to, during, or immediately after a rain event at the treatment site to prevent pesticide runoff into adjacent water bodies and saturated soils or loss of pesticide penetration.

## Proposed Canada Thistle (*Cirsium arvense*) and Bull Thistle (*Cirsium vulgare*), along Craig – Klawock – Harris Road Treatment Plan

Treatment of Canada thistle and bull thistle is proposed under an adaptive management style, allowing for both manual and herbicidal treatments. Proposed treatment will begin in 2021 and will be ongoing until the infestation is under control, which may be up to 5 years or more.

The proposed treatments will follow the project design features detailed in the POWLLA ROD Appendix 1: Activity Cards and Appendix 2: Implementation Plan.

### Manual Treatment Proposal

	Target Species	
	Canada Thistle	Bull Thistle
<b>Location</b>	Craig – Klawock – Harris Road	Craig – Klawock – Harris Road
<b>Method</b>	manual (hand pulling, cutting, clipping)	manual (hand pulling, cutting, clipping)

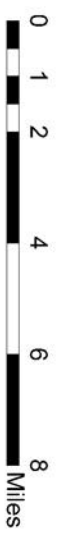
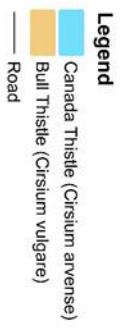
Removal of Canada thistle and bull thistle done by manual treatment may include hand pulling and clipping of invasive plant species. All material will be bagged and removed from the site to reduce spread of reproductive propagules.

### Herbicidal treatment proposal

	Target Species	
	Canada Thistle	Bull Thistle
<b>Location</b>	Craig – Klawock – Harris Road	Craig – Klawock – Harris Road
<b>Herbicide 1</b>	Aminopyralid (Milestone)	Aminopyralid (Milestone)
<b>Application Method 1</b>	Backpack sprayer	Backpack sprayer
<b>Application Rate 1</b>	5 – 7 oz/ acre	3 - 5 oz/acre
<b>Herbicide 2</b>	Imazapyr	Imazapyr
<b>Application Method 2</b>	backpack sprayer	backpack sprayer
<b>Application Rate 2</b>	2 – 3 pints/acre	1.5 – 2 pints/acre
<b>Herbicide 3</b>	Glyphosate (AquaPro, Roundup Custom, or Rodeo Aquaneat)	
<b>Application Method 3</b>	Backpack sprayer	
<b>Application Rate 3</b>	0.5 – 2 lbs ae/ acre	

All proposed herbicidal treatments would be done using a backpack sprayer to selectively spot spray individual target species, reducing drift and spraying of non-target species. Herbicides will not be applied when average wind speeds exceed the maximum wind speed stated in the product labeling (10 miles per hour) or 7 miles per hour is not maximum wind speed is specified in the labeling. Herbicides will not be applied immediately prior to, during, or immediately after a rain event at the treatment site to prevent pesticide runoff into adjacent water bodies and saturated soils or loss of pesticide penetration.

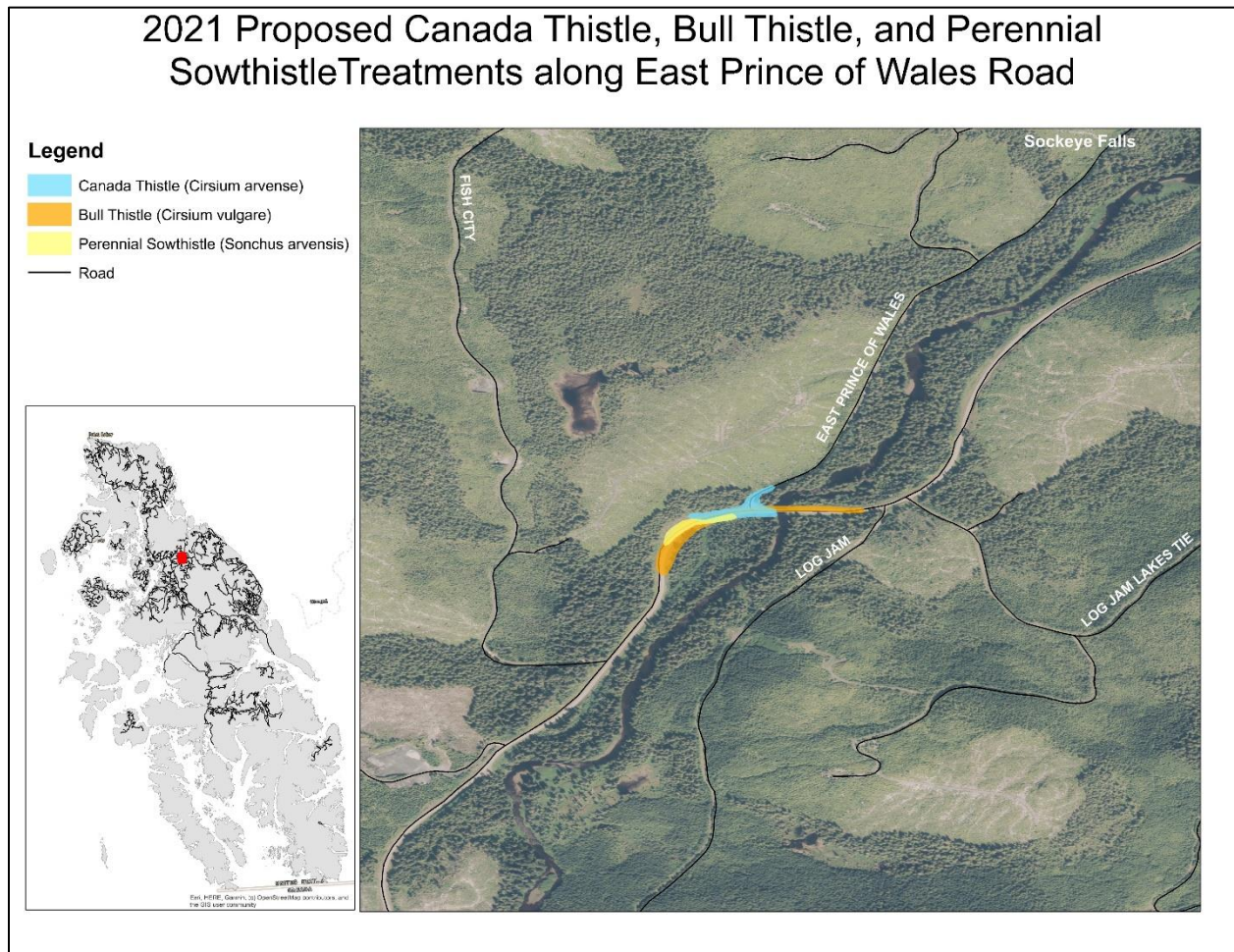
# 2021 Proposed Thistle Treatment Along Craig - Klawock - Harris Road



# Proposed Canada Thistle (*Cirsium arvense*), Bull Thistle (*Cirsium vulgare*), and Perennial Sowthistle (*Sonchus arvensis*) along Coffman Cove and East Prince of Wales Road Treatment Plan

Treatment of Canada thistle, bull thistle, and perennial sowthistle is proposed under an adaptive management style, allowing for both manual and herbicidal treatments. Proposed treatment will begin in 2021 and will be ongoing until the infestation is under control, which may be up to 5 years or more.

The proposed treatments will follow the project design features detailed in the POWLLA ROD Appendix 1: Activity Cards and Appendix 2: Implementation Plan.



## Manual Treatment Proposal

	Target Species		
	Canada Thistle	Bull Thistle	Perennial Sowthistle
<b>Location</b>	Coffman Cove and East Prince of Wales Road Intersection	Coffman Cove and East Prince of Wales Road Intersection	Coffman Cove and East Prince of Wales Road Intersection
<b>Method</b>	manual (hand pulling, cutting, clipping)	manual (hand pulling, cutting, clipping)	manual (hand pulling, cutting, clipping)

Removal of Canada thistle, bull thistle, and perennial sowthistle done by manual treatment may include hand pulling and clipping of invasive plant species. All material will be bagged and removed from the site to reduce spread of reproductive propagules.

### Herbicidal treatment proposal

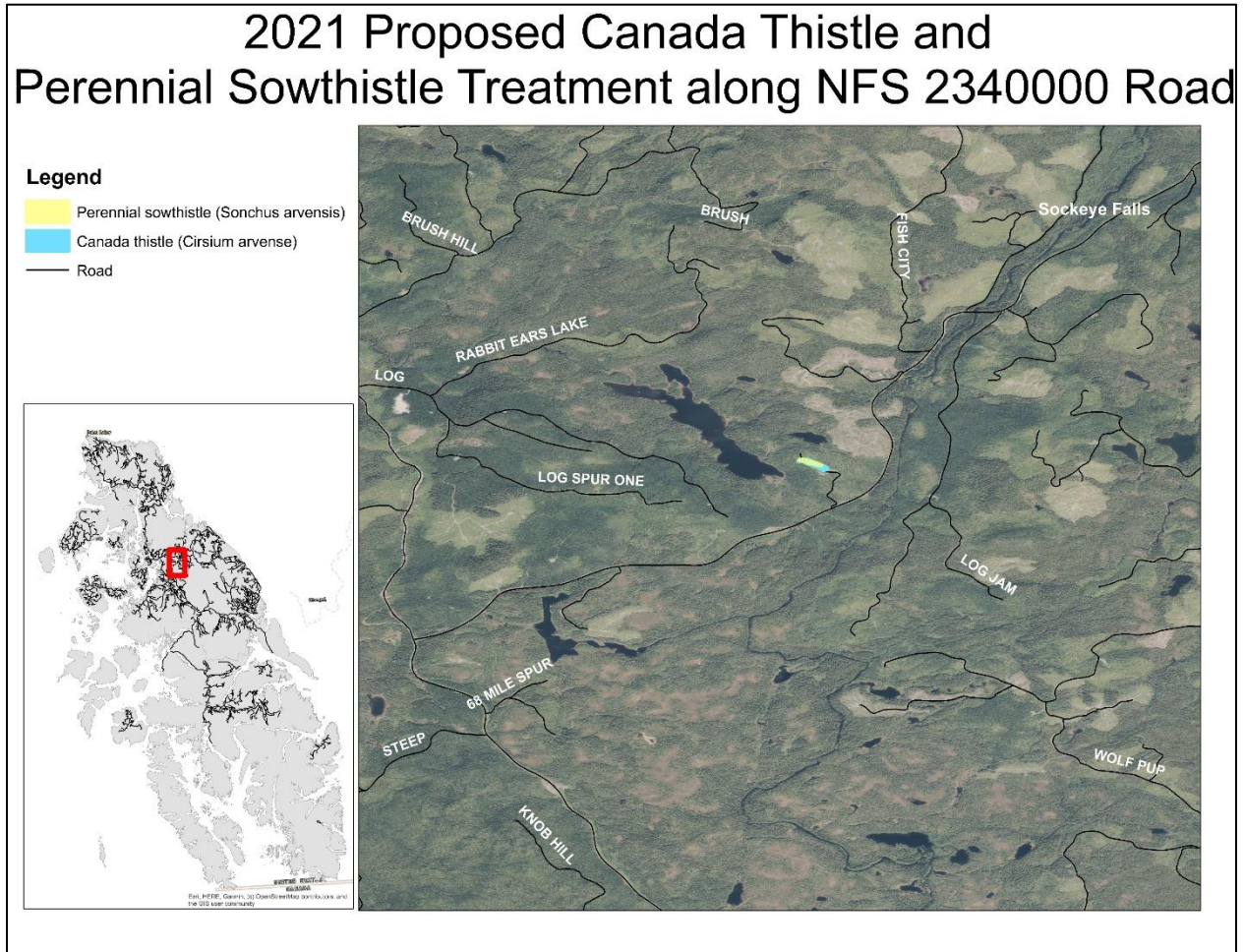
	Target Species		
	Canada Thistle	Bull Thistle	Perennial Sowthistle
<b>Location</b>	Coffman Cove and East Prince of Wales Road Intersection	Coffman Cove and East Prince of Wales Road Intersection	Coffman Cove and East Prince of Wales Road Intersection
<b>Herbicide 1</b>	Aminopyralid (Milestone)	Aminopyralid (Milestone)	Aminopyralid (Milestone)
<b>Application Method 1</b>	Backpack sprayer	Backpack sprayer	Backpack sprayer
<b>Application Rate 1</b>	5 – 7 oz/ acre	3 - 5 oz/acre	5 oz/acre
<b>Herbicide 2</b>	Glyphosate (AquaPro, Roundup Custom, or Rodeo Aquaneat)		Glyphosate (AquaPro, Roundup Custom, or Rodeo Aquaneat)
<b>Application Method 2</b>	Backpack sprayer		Backpack sprayer
<b>Application Rate 2</b>	0.5 – 2 lbs ae/ acre		0.5 – 2 lbs ae/ acre
<b>Herbicide 3</b>	Imazapyr	Imazapyr	Imazapyr
<b>Application Method 3</b>	backpack sprayer	backpack sprayer	backpack sprayer
<b>Application Rate 3</b>	2 – 3 pints/acre	1.5 – 2 pints/acre	2 – 3 pints/acre

All proposed herbicidal treatments would be done using a backpack sprayer to selectively spot spray individual target species, reducing drift and spraying of non-target species. Herbicides will not be applied when average wind speeds exceed the maximum wind speed stated in the product labeling (10 miles per hour) or 7 miles per hour is not maximum wind speed is specified in the labeling. Herbicides will not be applied immediately prior to, during, or immediately after a rain event at the treatment site to prevent pesticide runoff into adjacent water bodies and saturated soils or loss of pesticide penetration.

## Proposed Canada Thistle (*Cirsium arvense*) and Perennial Sowthistle (*Sonchus arvensis*) along NFS Road 2340000 Treatment Plan

Treatment of Canada thistle and perennial sowthistle is proposed under an adaptive management style, allowing for both manual and herbicidal treatments. Proposed treatment will begin in 2021 and will be ongoing until the infestation is under control, which may be up to 5 years or more.

The proposed treatments will follow the project design features detailed in the POWLLA ROD Appendix 1: Activity Cards and Appendix 2: Implementation Plan.



### Manual Treatment Proposal

	Target Species	
	Canada Thistle	Perennial Sowthistle
<b>Location</b>	NFS Road 2340000	NFS Road 234000
<b>Method</b>	manual (hand pulling, cutting, clipping)	manual (hand pulling, cutting, clipping)

Removal of Canada thistle and perennial sowthistle done by manual treatment may include hand pulling and clipping of invasive plant species. All material will be bagged and removed from the site to reduce spread of reproductive propagules.

## Herbicidal treatment proposal

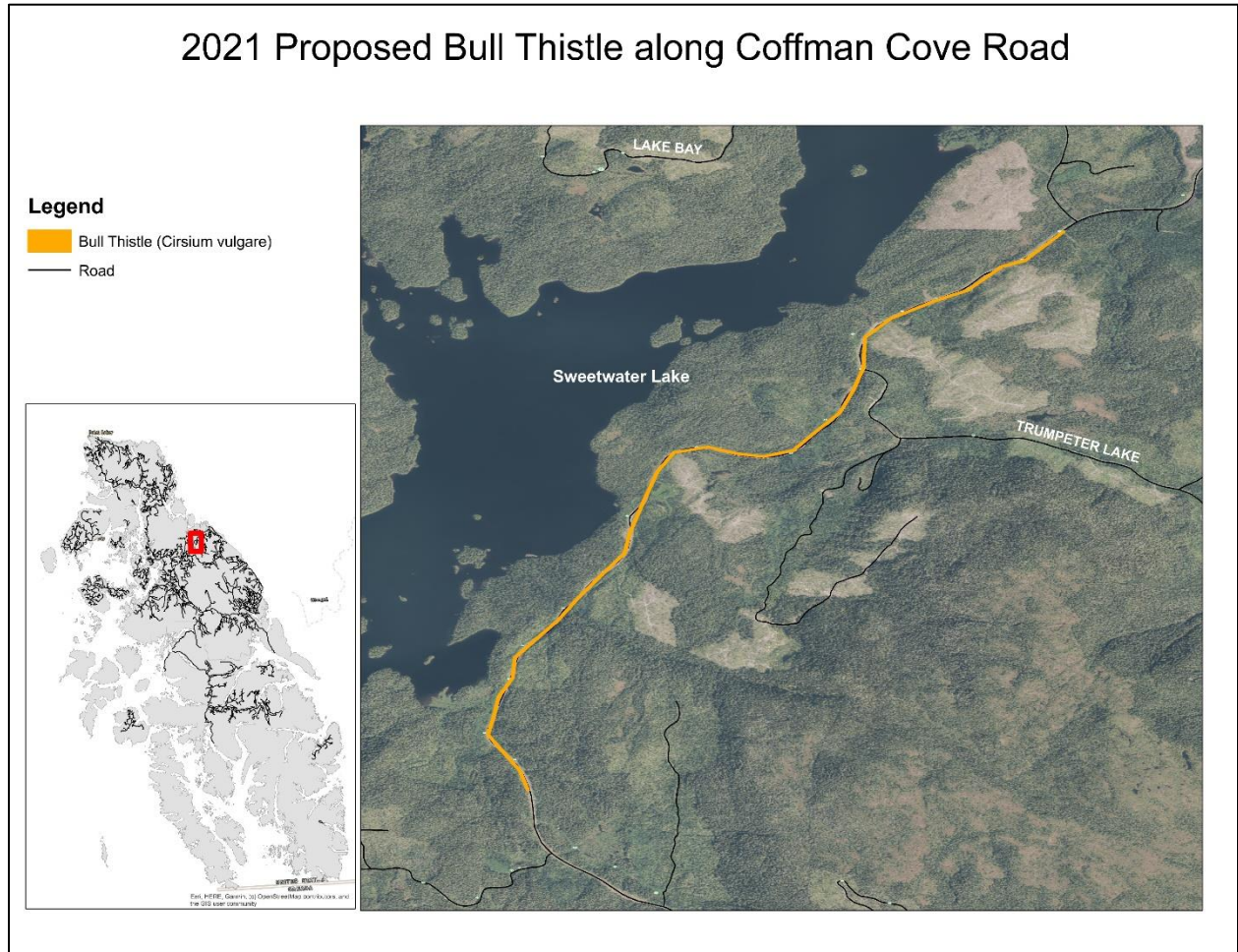
	Target Species	
	Canada Thistle	Perennial Sowthistle
<b>Location</b>	NFS Road 2340000	NFS Road 234000
<b>Herbicide 1</b>	Aminopyralid (Milestone)	Aminopyralid (Milestone)
<b>Application Method 1</b>	Backpack sprayer	Backpack sprayer
<b>Application Rate 1</b>	5 –7 oz/ acre	5 oz/acre
<b>Herbicide 2</b>	Glyphosate (AquaPro, Roundup Custom, or Rodeo Aquaneat)	Glyphosate (AquaPro, Roundup Custom, or Rodeo Aquaneat)
<b>Application Method 2</b>	Backpack sprayer	Backpack sprayer
<b>Application Rate 2</b>	0.5 – 2 lbs ae/ acre	0.5 – 2 lbs ae/ acre
<b>Herbicide 3</b>	Imazapyr	Imazapyr
<b>Application Method 3</b>	Backpack sprayer	Backpack sprayer
<b>Application Rate 3</b>	2 – 3 pints/ acre	2 – 3 pints/acre

All proposed herbicidal treatments would be done using a backpack sprayer to selectively spot spray individual target species, reducing drift and spraying of non-target species. Herbicides will not be applied when average wind speeds exceed the maximum wind speed stated in the product labeling (10 miles per hour) or 7 miles per hour is not maximum wind speed is specified in the labeling. Herbicides will not be applied immediately prior to, during, or immediately after a rain event at the treatment site to prevent pesticide runoff into adjacent water bodies and saturated soils or loss of pesticide penetration.

# Proposed Bull Thistle (*Cirsium vulgare*) along Coffman Cove Road Treatment Plan

Treatment of bull thistle is proposed under an adaptive management style, allowing for both manual and herbicidal treatments. Proposed treatment will begin in 2021 and will be ongoing until the infestation is under control, which may be up to 5 years or more.

The proposed treatments will follow the project design features detailed in the POWLLA ROD Appendix 1: Activity Cards and Appendix 2: Implementation Plan.



## Manual Treatment Proposal

	<b>Target Species</b>
	Bull Thistle
<b>Location</b>	Coffman Cove
<b>Method</b>	manual (hand pulling, cutting, clipping)

Removal of bull thistle done by manual treatment may include hand pulling and clipping of invasive plant species. All material will be bagged and removed from the site to reduce spread of reproductive propagules.

## Herbicidal treatment proposal

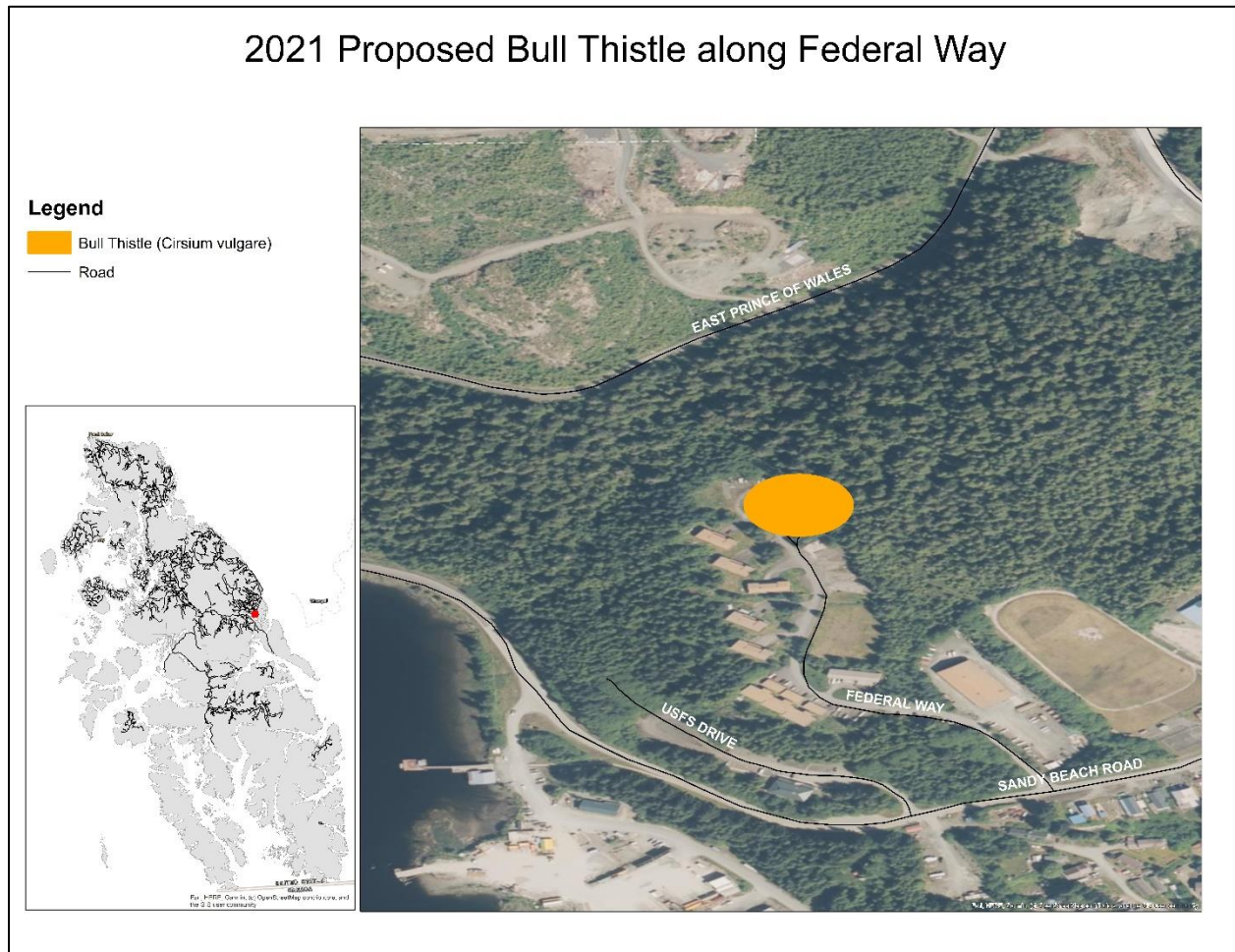
	<b>Target Species</b>
	Bull Thistle
<b>Location</b>	Coffman Cove
<b>Herbicide 1</b>	Aminopyralid (Milestone)
<b>Application Method 1</b>	Backpack sprayer
<b>Application Rate 1</b>	3 - 5 oz/acre
<b>Herbicide 2</b>	Imazapyr
<b>Application Method 2</b>	backpack sprayer
<b>Application Rate 2</b>	1.5 – 2 pints/acre

All proposed herbicidal treatments would be done using a backpack sprayer to selectively spot spray individual target species, reducing drift and spraying of non-target species. Herbicides will not be applied when average wind speeds exceed the maximum wind speed stated in the product labeling (10 miles per hour) or 7 miles per hour is not maximum wind speed is specified in the labeling. Herbicides will not be applied immediately prior to, during, or immediately after a rain event at the treatment site to prevent pesticide runoff into adjacent water bodies and saturated soils or loss of pesticide penetration.

## Proposed Bull Thistle (*Cirsium vulgare*) along Federal Way Treatment Plan

Treatment of bull thistle is proposed under an adaptive management style, allowing for both manual and herbicidal treatments. Proposed treatment will begin in 2021 and will be ongoing until the infestation is under control, which may be up to 5 years or more.

The proposed treatments will follow the project design features detailed in the POWLLA ROD Appendix 1: Activity Cards and Appendix 2: Implementation Plan.



### Manual Treatment Proposal

	Target Species
	Bull Thistle
<b>Location</b>	Federal Way
<b>Method</b>	manual (hand pulling, cutting, clipping)

Removal of bull thistle done by manual treatment may include hand pulling and clipping of invasive plant species. All material will be bagged and removed from the site to reduce spread of reproductive propagules.

## Herbicidal treatment proposal

	<b>Target Species</b>
	Bull Thistle
<b>Location</b>	Federal Way
<b>Herbicide 1</b>	Aminopyralid (Milestone)
<b>Application Method 1</b>	Backpack sprayer
<b>Application Rate 1</b>	5 oz/acre
<b>Herbicide 2</b>	Imazapyr
<b>Application Method 2</b>	backpack sprayer
<b>Application Rate 2</b>	1.5 – 2 pints/acre

All proposed herbicidal treatments would be done using a backpack sprayer to selectively spot spray individual target species, reducing drift and spraying of non-target species. Herbicides will not be applied when average wind speeds exceed the maximum wind speed stated in the product labeling (10 miles per hour) or 7 miles per hour is not maximum wind speed is specified in the labeling. Herbicides will not be applied immediately prior to, during, or immediately after a rain event at the treatment site to prevent pesticide runoff into adjacent water bodies and saturated soils or loss of pesticide penetration.