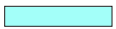










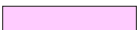



Legend:

- Enhanced Aquatic Habitat 
- Cheakamus River 
- River bar 
- Cheakamus Side Channel 
- Construction 2002 
- Flow Impacted Channel 
- Interpretive Trail Sign 
- Groundwater monitoring site 
- Nature Conservancy Canada monitor site 
- New Trail 2002 project 
- Proposed phase #2 

Project Summary:

- 4600 m² new habitat 
- 750 m in length
- 2815 m² impacted habitat 
- 355 m in length

Total project:
7415 m² habitat -1105 m in length



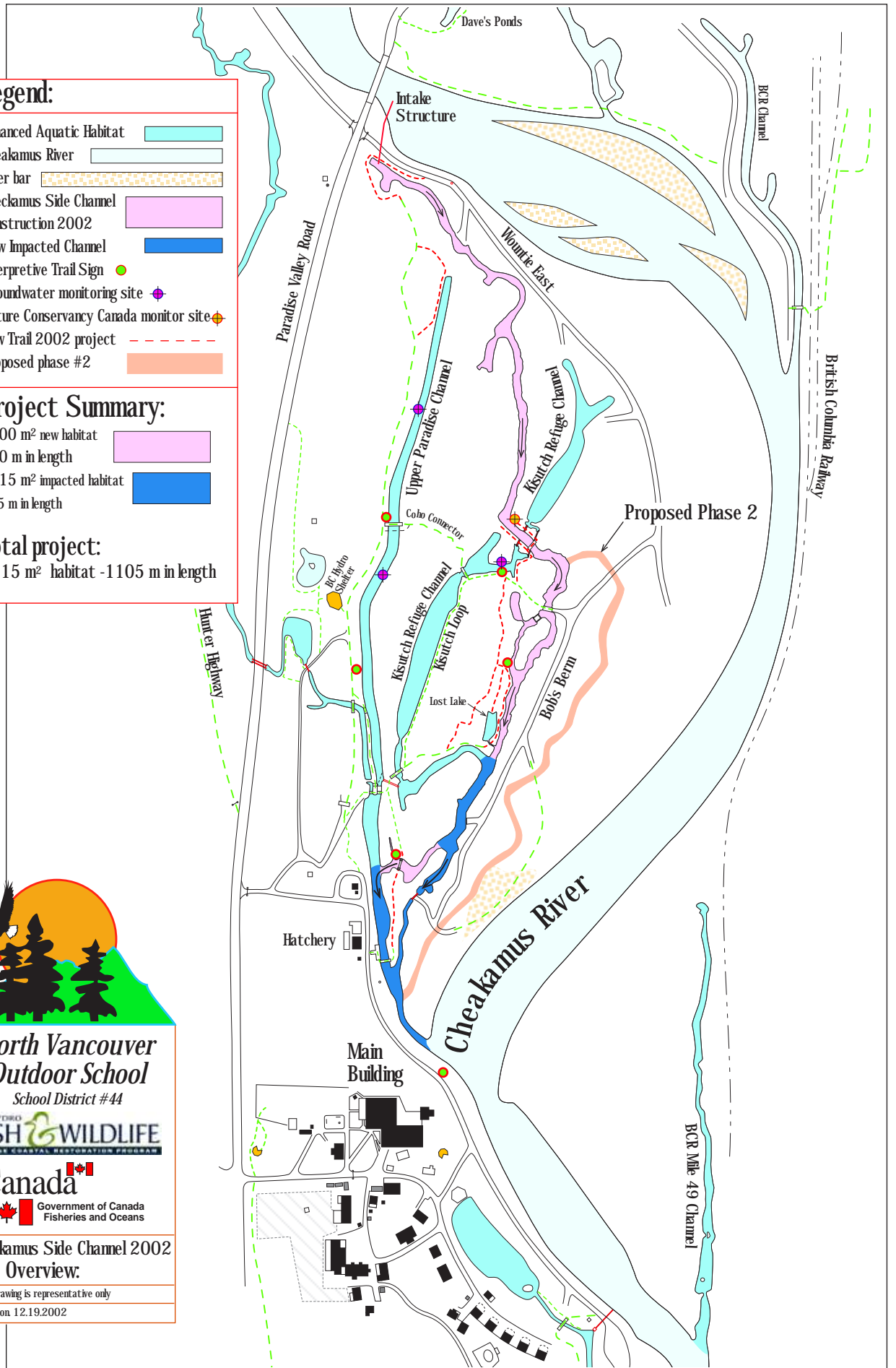
**North Vancouver
Outdoor School**
School District #44

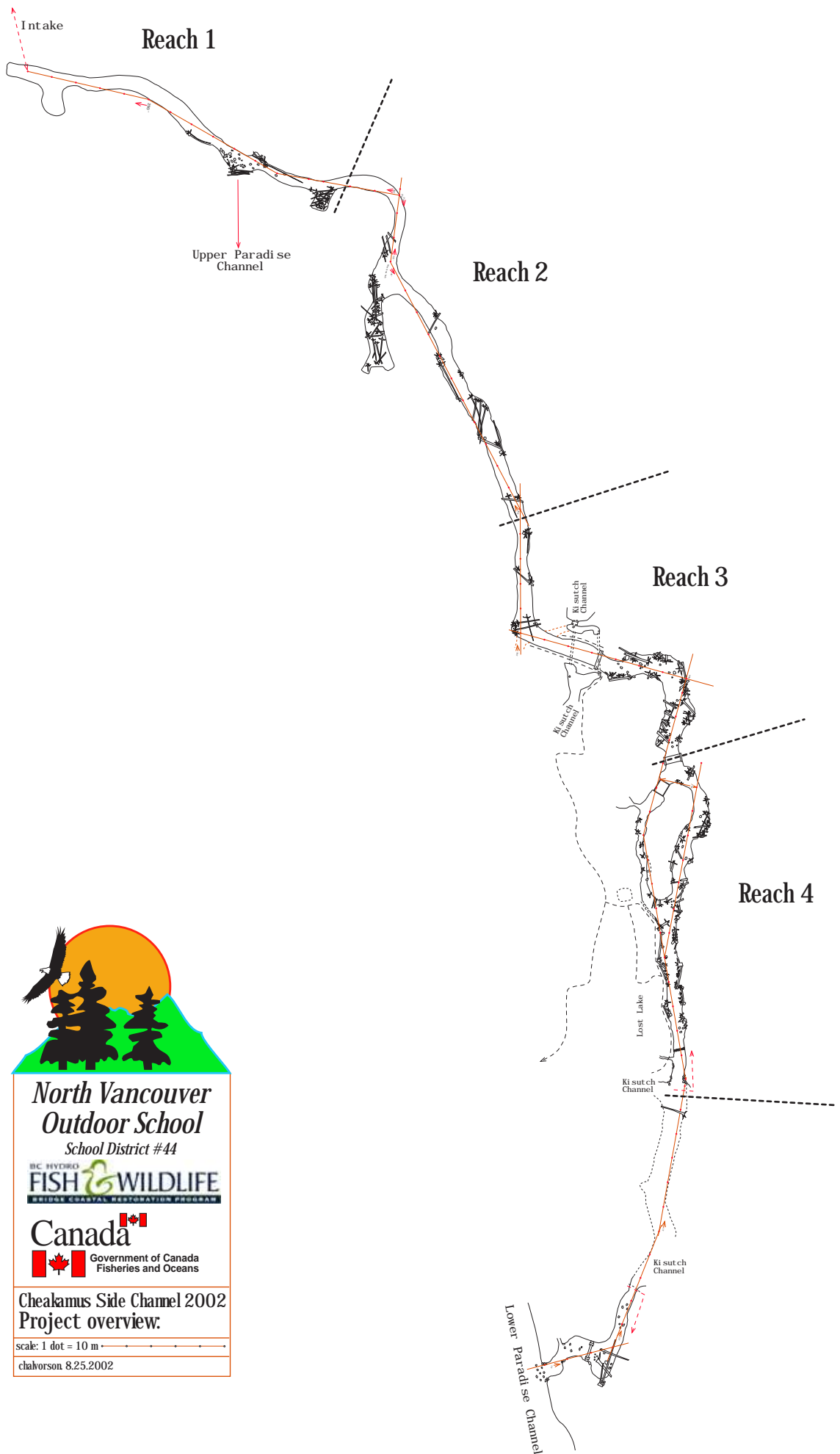
BC HYDRO
FISH & WILDLIFE
BRIDGE COASTAL RESTORATION PROGRAM

Canada
Government of Canada
Fisheries and Oceans

**Cheakamus Side Channel 2002
Site Overview.**

scale: drawing is representative only
chaworson 12.19.2002





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FISH & WILDLIFE
BRIDGE COASTAL RESTORATION PROGRAM

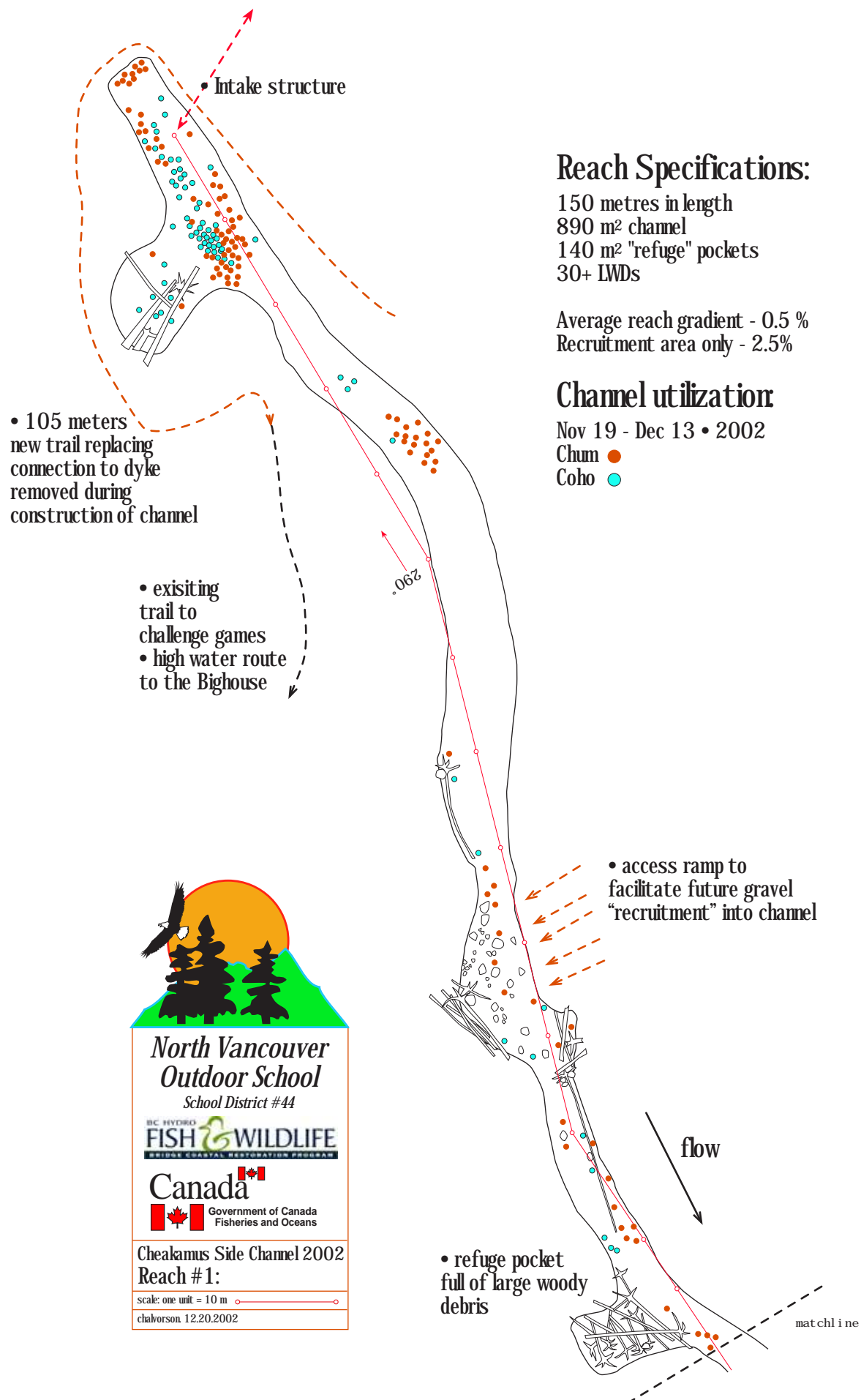
Canada

Government of Canada
Fisheries and Oceans

**Cheakamus Side Channel 2002
Project overview.**

scale: 1 dot = 10 m

chahorson 8.25.2002



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Cheakamus Side Channel 2002 Reach #1:
 scale: one unit = 10 m
 chaworson. 12.20.2002

Reach Specifications:

165 metres in length
920 m² channel
210 m² "refuge" pockets
45+ LWDs

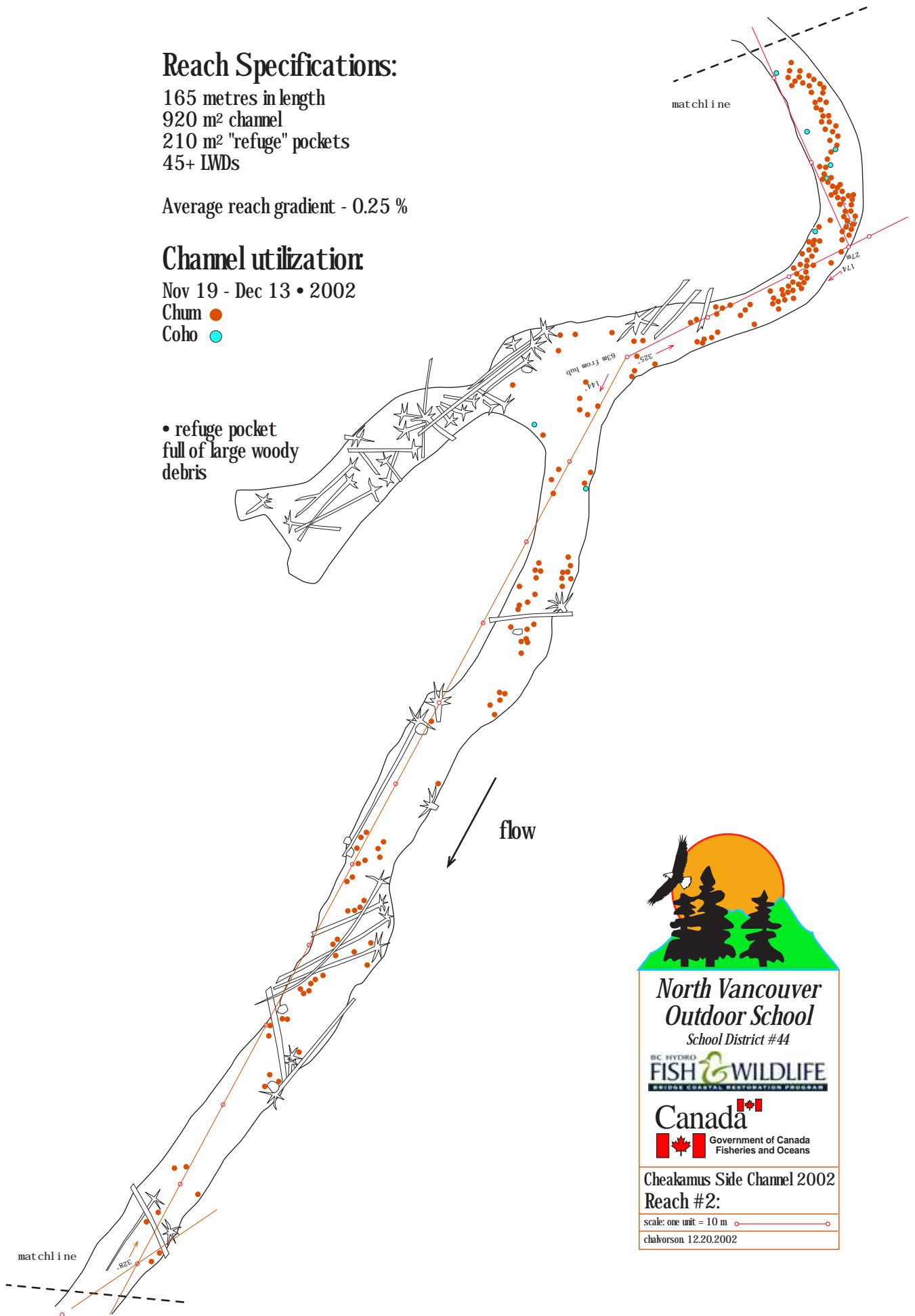
Average reach gradient - 0.25 %

Channel utilization

Nov 19 - Dec 13 • 2002

Chum ●
Coho ●

• refuge pocket
full of large woody
debris




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**Cheakamus Side Channel 2002
Reach #2:**

scale: one unit = 10 m 
chalvorson 12.20.2002

Reach Specifications:

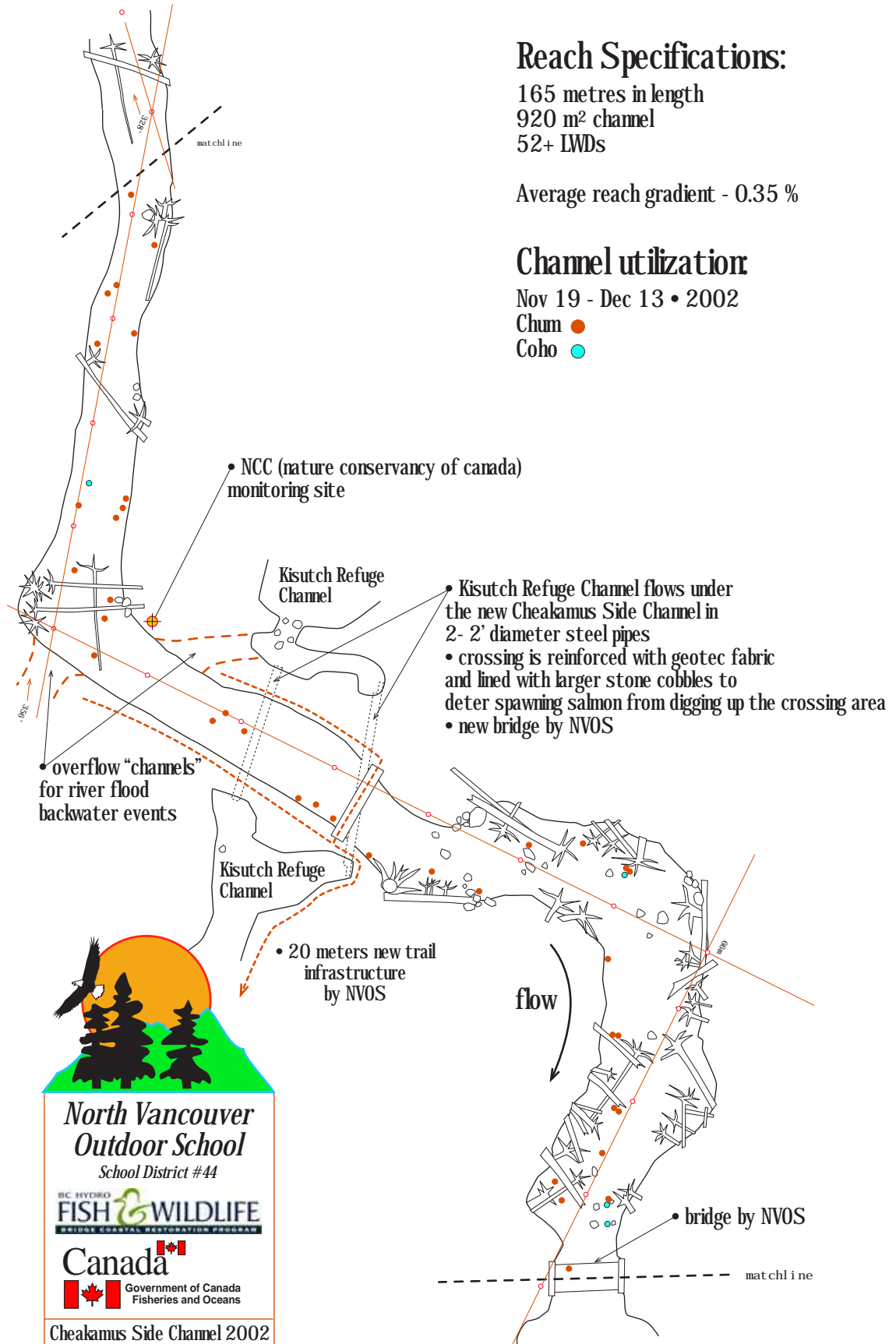
165 metres in length
 920 m² channel
 52+ LWDs

Average reach gradient - 0.35 %

Channel utilization

Nov 19 - Dec 13 • 2002

Chum ●
 Coho ●



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 Outdoor School**
 School District #44



Canada

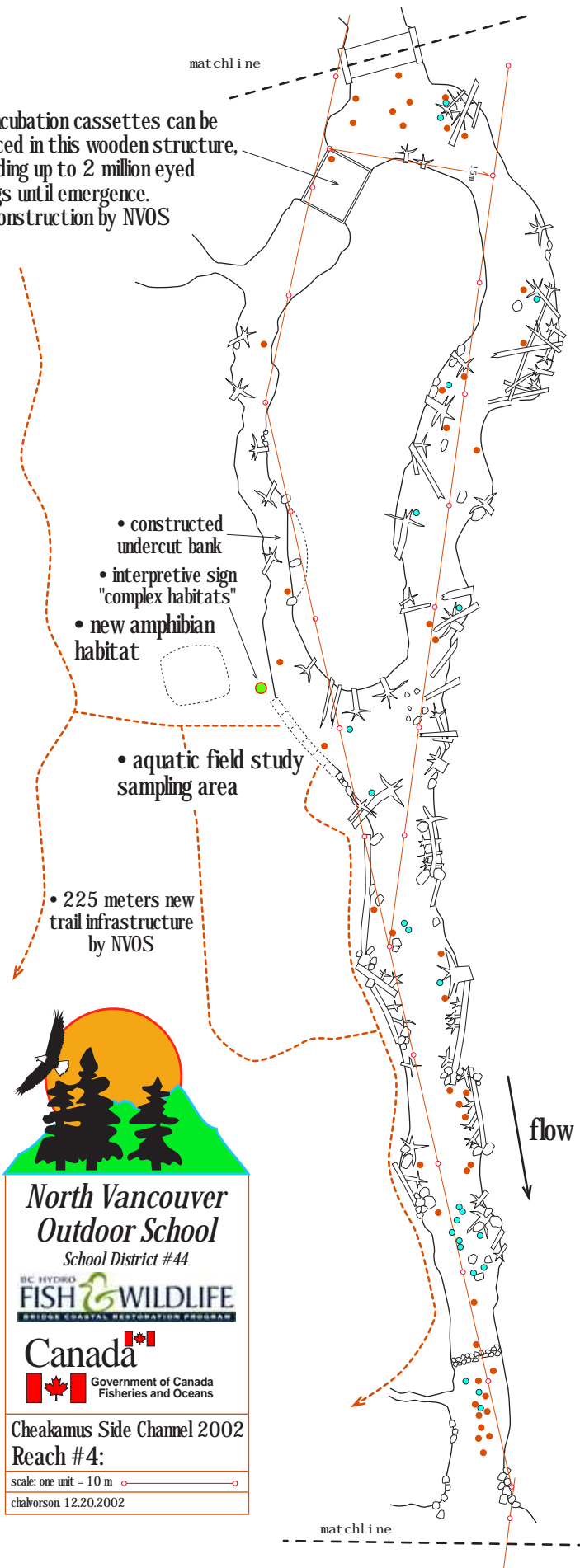
Government of Canada
 Fisheries and Oceans

**Cheakamus Side Channel 2002
 Reach #3:**

scale: one unit = 10 m

chaworson 12.20.2002

- incubation cassettes can be placed in this wooden structure, holding up to 2 million eyed eggs until emergence.
- construction by NVOS



- constructed undercut bank
- interpretive sign "complex habitats"
- new amphibian habitat

• aquatic field study sampling area

• 225 meters new trail infrastructure by NVOS

Reach Specifications:

- 200 metres in length
- 890 m² channel
- 200 m² "refuge" pockets
- 77+ LWDs

Average reach gradient - 0.38 %

Channel utilization

Nov 19 - Dec 13 • 2002

- Chum ●
- Coho ●



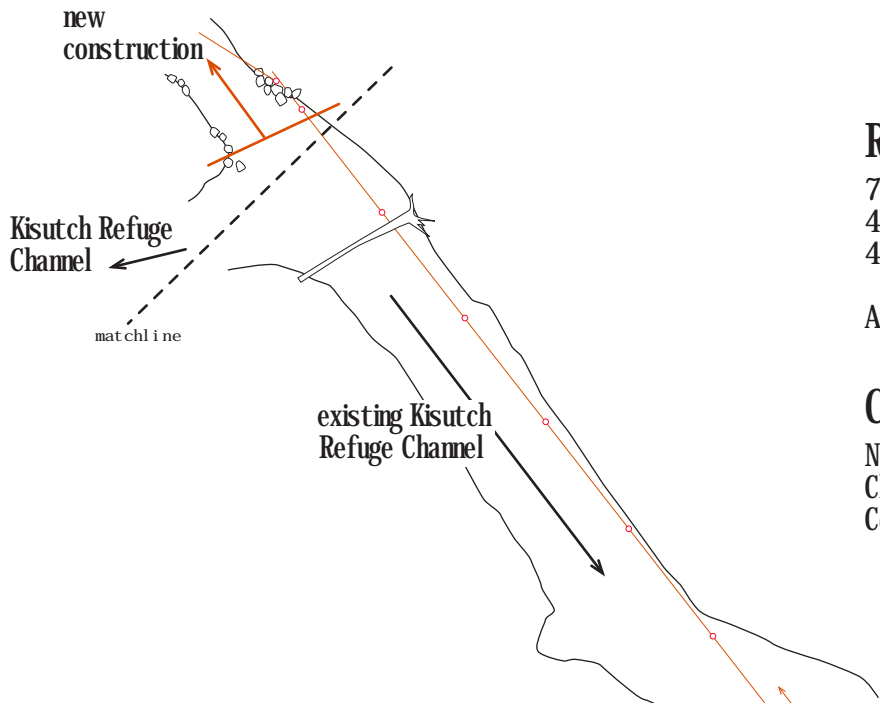
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Cheakamus Side Channel 2002
Reach #4:
 scale: one unit = 10 m
 chaverson 12.20.2002

match line



Reach Specifications:

70 metres in length
 430 m² channel
 4 LWDs

Average reach gradient - 0.95 %

Channel utilization

Nov 19 - Dec 13 • 2002

Chum ●

Coho ●



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Cheakamus Side Channel 2002

Reach #5: Outfall into Paradise Channel

scale: one unit = 10 m

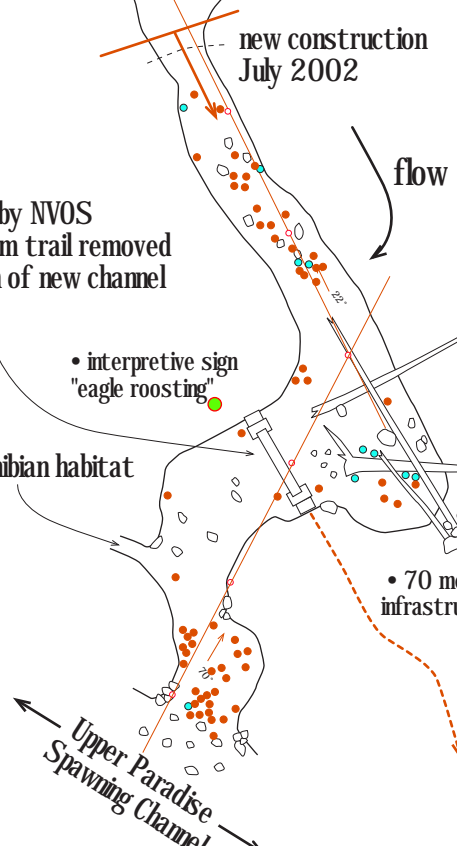
chavorson 12.20.2002

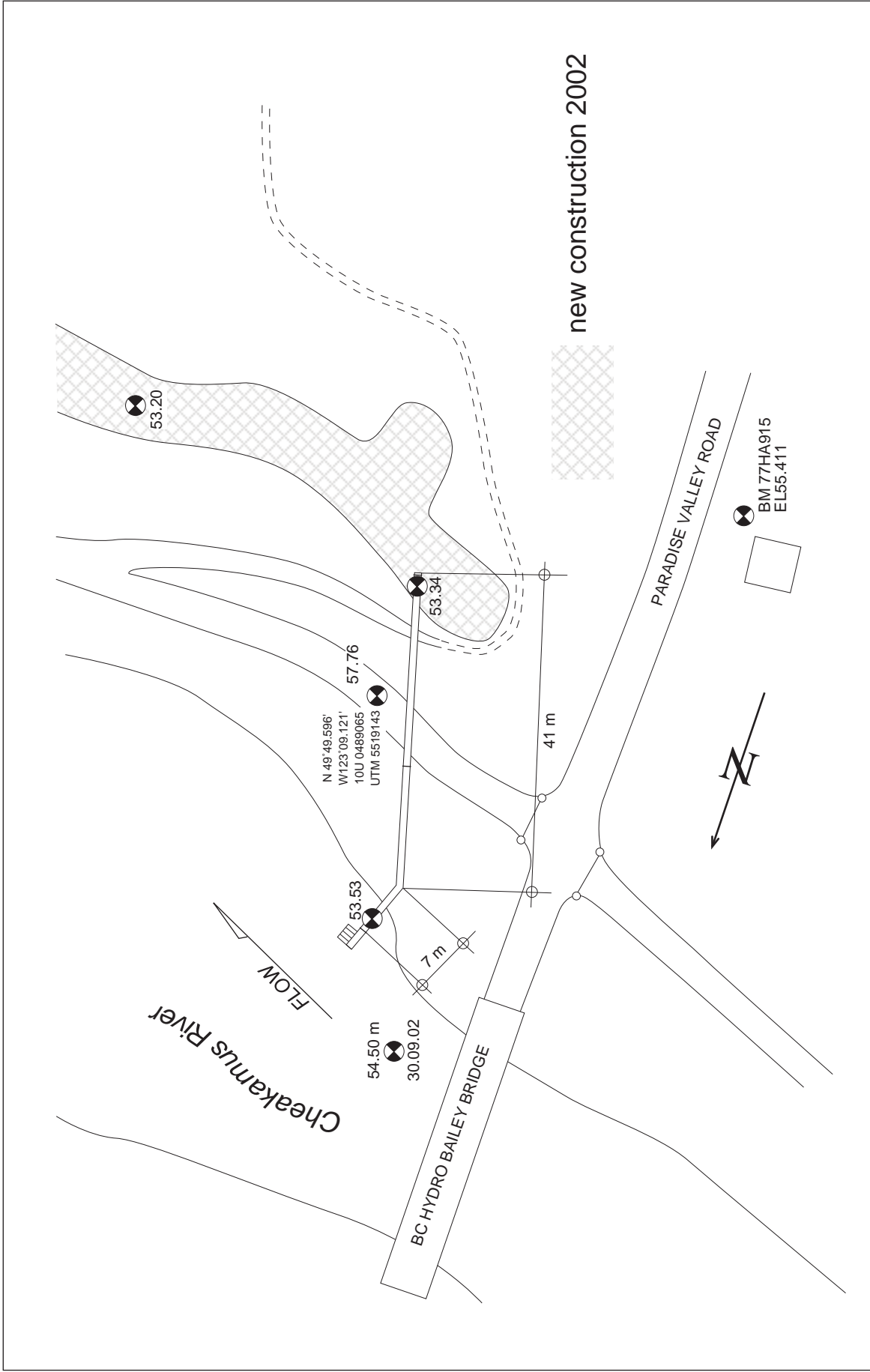
- culverts supplied by NVOS
- bridge reused from trail removed during construction of new channel

- interpretive sign "eagle roosting"

- new amphibian habitat

- 70 meters new trail infrastructure by NVOS



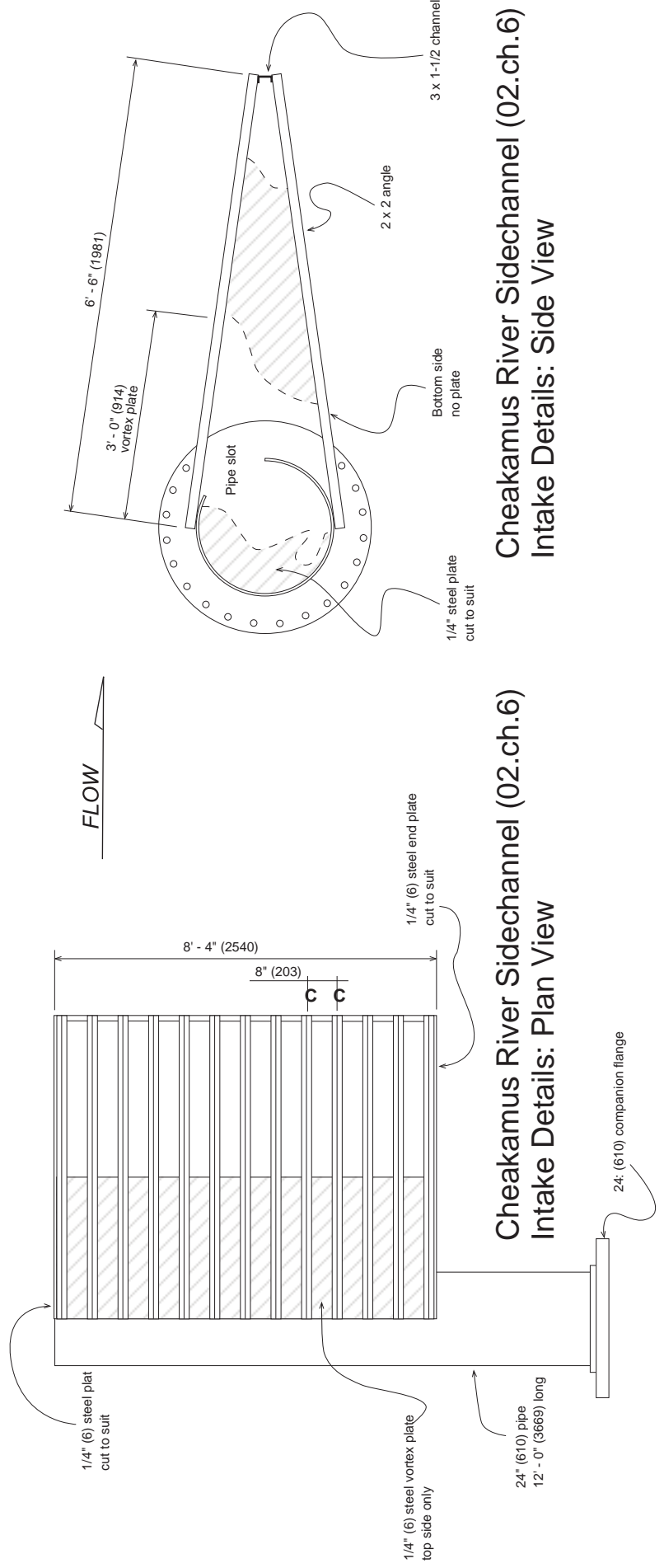
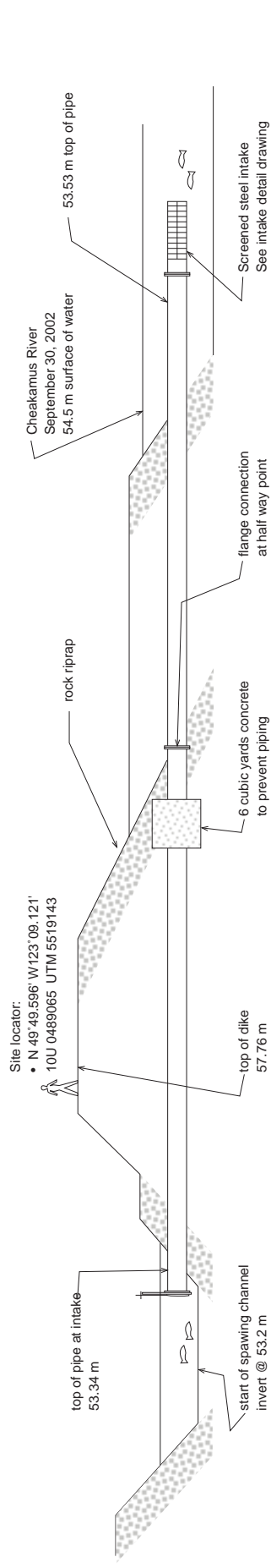


CHEAKAMUS RIVER SIDECHANNEL (02.ch.6)
SITE PLAN:

October, 2002

Cheakamus River Sidechannel (02.ch.6) Intake Details and Elevations

(section looking west)



Cheakamus River Sidechannel (02.ch.6)
Intake Details: Plan View

Cheakamus River Sidechannel (02.ch.6)
Intake Details: Side View