



BCTS
BC Timber Sales

BC TIMBER SALES CHINOOK BUSINESS AREA

MT. ELPHINSTONE SOUTH
WATERSHED ASSESSMENT:
PHASES 1 & 2 (VOLUME 2)

Polar File: 740201
MARCH 2023



APPENDIX F: SELECTED PHOTOS

Photos herein are presented in upstream order and are referenced by stream distance (km from the mouth) (refer to MAP 1). Photos are organized as follows:

- Chaster Creek (mainstem),
- Chaster Creek (tributaries below hydro right-of-way),
- Chaster Creek (tributaries above hydro right-of-way),
- End/Walker Creek (below Reed Road),
- End/Walker Creek (above Reed Road),
- Smales Creek (below Reed Road),
- Smales Creek (above Reed Road),
- Whittaker Creek,
- Higgs Brook,
- Slater Creek,
- Molyneux Creek (below hydro right-of-way),
- Molyneux Creek (above hydro right-of-way),
- Joe Smith Creek, and
- Clough Creek.

Chaster Creek (mainstem)



FIGURE 001

Photo: DSC09993
Date (YYYY MM DD): 2020 08 26
Location: **Chaster Cr, km 0.00**
View direction: West
Description:
Mouth of Chaster Creek



FIGURE 002

Photo: DSC09983
Date (YYYY MM DD): 2021 07 12
Location: **Chaster Cr, km 0.02**
View direction: Downstream
Description:
Retaining wall along Chaster House near mouth.

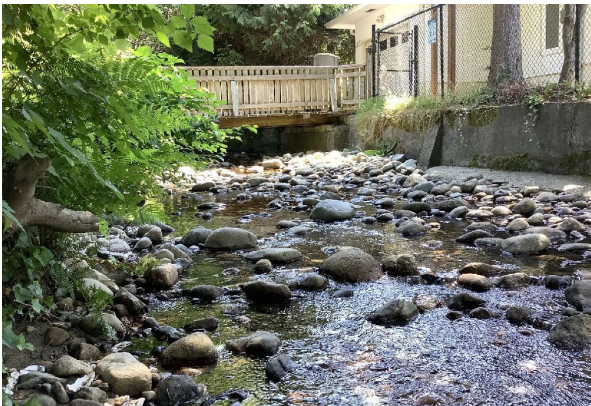


FIGURE 003

Photo: IMG_4496
Date (YYYY MM DD): 2021 07 12
Location: **Chaster Cr, km 0.02**
View direction: Upstream
Description:
Bridge across Chaster Creek near mouth to Chaster House.



FIGURE 004

Photo: IMG_3926
Date (YYYY MM DD): 2021 07 12
Location: **Chaster Cr, km 0.04**
View direction: Upstream
Description:
Ocean Beach Esplanade bridge over Chaster Creek.



FIGURE 005

Photo: IMG_3931
Date (YYYY MM DD): 2021 07 12
Location: **Chaster Cr, km 0.10**
View direction: Upstream
Description:
Old private bridge over Chaster Creek.



FIGURE 006

Photo: IMG_4503
Date (YYYY MM DD): 2021 07 12
Location: **Chaster Cr, km 0.40**
View direction: Upstream
Description:



FIGURE 007

Photo: IMG_4504
Date (YYYY MM DD): 2021 07 12
Location: **Chaster Cr, km 0.40**
View direction: Downstream
Description:



FIGURE 008

Photo: IMG_4509
Date (YYYY MM DD): 2021 07 12
Location: **Chaster Cr, km 0.9**
View direction: Upstream
Description:
Below log jam.



FIGURE 009

Photo: IMG_4512
Date (YYYY MM DD): 2021 07 12
Location: **Chaster Cr, km 0.9**
View direction: Upstream
Description:
Log jam



FIGURE 010

Photo: IMG_4510
Date (YYYY MM DD): 2021 07 12
Location: **Chaster Cr, km 0.9**
View direction: Downstream
Description:
Sediment wedge above log jam.

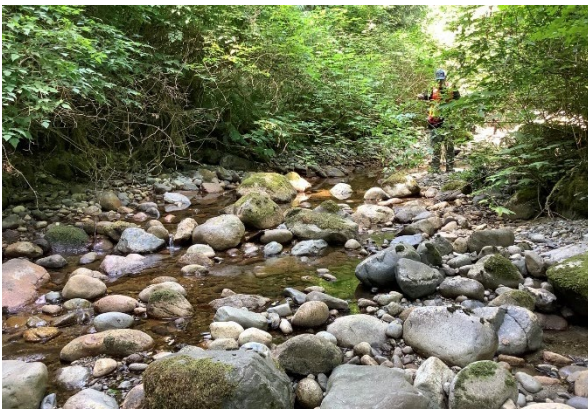


FIGURE 011

Photo: IMG_4519
Date (YYYY MM DD): 2021 07 12
Location: **Chaster Cr, km 1.6**
View direction: Upstream
Description:



FIGURE 012

Photo: IMG_4520
Date (YYYY MM DD): 2021 07 12
Location: **Chaster Cr, km 1.6**
View direction: Downstream
Description:
Sediment wedge



FIGURE 013

Photo: IMG_4524
Date (YYYY MM DD): 2021 07 12
Location: **Chaster Cr, km 2.28**
View direction: West
Description:
Near confluence of Shirley Creek (Tributary 4.1) and Chaster Creek.



FIGURE 014

Photo: IMG_4532
Date (YYYY MM DD): 2021 07 12
Location: **Chaster Cr, km 2.6**
View direction: Upstream
Description:
Log jam and sediment wedge



FIGURE 015

Photo: IMG_4527
Date (YYYY MM DD): 2021 07 12
Location: **Chaster Cr, km 2.6**
View direction: Upstream
Description:
900 mm diameter concrete culvert beneath Sunshine Coast Highway.



FIGURE 016

Photo: IMG_4525
Date (YYYY MM DD): 2021 07 12
Location: **Chaster Cr, km 2.6**
View direction: Downstream
Description:
Pool below highway crossing.



FIGURE 017

Photo: IMG_4534
Date (YYYY MM DD): 2021 07 12
Location: **Chaster Cr, km 2.7**
View direction: Upstream
Description:
Above highway crossing.



FIGURE 018

Photo: IMG_2005
Date (YYYY MM DD): 2021 07 13
Location: **Chaster Cr, km 2.9**
View direction: Upstream
Description:
Above Henry Road culvert.



FIGURE 019

Photo: IMG_2008
Date (YYYY MM DD): 2021 07 13
Location: **Chaster Cr, km 2.9**
View direction: Downstream
Description:
Henry Road culvert.



FIGURE 020

Photo: IMG_4563
Date (YYYY MM DD): 2021 07 13
Location: **Chaster Cr, km 2.9**
View direction: South
Description:
Clay layer on streambank.



FIGURE 030

Photo: IMG_2011
Date (YYYY MM DD): 2021 07 13
Location: **Chaster Cr, km 3.0**
View direction: Upstream
Description:



FIGURE 031

Photo: DSC09956
Date (YYYY MM DD): 2020 08 26
Location: **Chaster Cr, km 3.8**
View direction: Downstream
Description:
 Chaster Creek at Reed Road.

Chaster Creek (Tributaries below hydro right-of-way)



FIGURE 032

Photo: Placemark 33
Date (YYYY MM DD): 2021 07 16
Location: **Chaster Tributary 4.1 (Shirley Cr), km 2.4**
View direction: Upstream
Description:



FIGURE 033

Photo: Placemark 33
Date (YYYY MM DD): 2021 07 16
Location: **Chaster Tributary 4.1 (Shirley Cr), km 2.4**
View direction: Downstream
Description:
 Log jam with sediment wedge.



FIGURE 034

Photo: Placemark 2
Date (YYYY MM DD): 2021 07 16
Location: **Chaster Tributary 4.1 (Shirley Cr), km 2.55**
View direction: Upstream
Description: 900 mm diameter concrete culvert beneath Sunshine Coast Highway.



FIGURE 035

Photo: IMG_4512
Date (YYYY MM DD): 2021 07 12
Location: **Chaster Tributary 4.1 (Shirley Cr), km 2.55**
View direction: Downstream
Description:



FIGURE 036

Photo: Placemark 34
Date (YYYY MM DD): 2021 07 16
Location: **Chaster Tributary 4.1 (Shirley Cr), km 2.6**
View direction: Upstream
Description:



FIGURE 037

Photo: Placemark 34
Date (YYYY MM DD): 2021 07 16
Location: **Chaster Tributary 4.1 (Shirley Cr), km 2.6**
View direction: Downstream
Description: 900 mm diameter concrete culvert beneath Sunshine Coast Highway.



FIGURE 038

Photo: Placemark XX
Date (YYYY MM DD): 2021 07 16
Location: **Chaster Tributary 4.1 (Shirley Cr), km 2.8**
View direction: Upstream
Description: Shirley Creek below confluence with Webb Brook.



FIGURE 039

Photo: DSC09969
Date (YYYY MM DD): 2020 08 26
Location: **Chaster Tributary 4.1 (Shirley Cr), km 3.0**
View direction: Upstream
Description: Above Russell Road culvert.



FIGURE 040

Photo: Placemark 5
Date (YYYY MM DD): 2021 07 16
Location: **Chaster Tributary 4.2, km 2.6**
View direction: Upstream
Description:



FIGURE 041

Photo: Placemark 5
Date (YYYY MM DD): 2021 07 16
Location: **Chaster Tributary 4.2, km 2.6**
View direction: Downstream
Description:



FIGURE 042

Photo: Placemark XX
Date (YYYY MM DD): 2021 07 12
Location: **Chaster Tributary 4.1.2 (Webb Brook), km 3.0**
View direction: Upstream
Description:
Webb Brook near residence with pond.



FIGURE 043

Photo: DSC09962
Date (YYYY MM DD): 2020 08 24
Location: **Chaster Tributary 4.1.2 (Webb Brook), km 3.2**
View direction: Upstream
Description:
Above Russell Road culvert.



FIGURE 044

Photo: Placemark XX
Date (YYYY MM DD): 2021 07 16
Location: **Chaster Tributary 4.1.2.2 (Tretheway Spring), km 3.5**
View direction: Upstream
Description:
View from Henry Road culvert crossing.



FIGURE 045

Photo: Placemark XX
Date (YYYY MM DD): 2021 07 16
Location: **Chaster Tributary 4.1.2.2 (Tretheway Spring), km 3.9**
View direction: Upstream
Description:
Near residence at 1216 Reed Road.



FIGURE 046

Photo: Placemark XX
Date (YYYY MM DD): 2021 07 16
Location: **Chaster Tributary
4.1.2.2 (Tretheway
Spring), km 3.8**
View direction: Downstream
Description:
Private bridge near residence at 1216 Reed
Road.



FIGURE 047

Photo: Placemark XX
Date (YYYY MM DD): 2021 07 16
Location: **Chaster Tributary
4.1.2.2 (Tretheway
Spring), km 3.9**
View direction: Downstream
Description:
One of several bridges near residence at 1216
Reed Road.



FIGURE 048

Photo: Placemark XX
Date (YYYY MM DD): 2021 07 16
Location: **Chaster Tributary
4.1.2.2 (Tretheway
Spring), km 4.1**
View direction: Upstream
Description:
View of mostly dry channel above residence at
1216 Reed Road.



FIGURE 049

Photo: Placemark 43
Date (YYYY MM DD): 2021 07 16
Location: **Chaster Tributary
4.1.2.2 (Tretheway
Spring), km 4.5**
View direction: East
Description:
Deep ravine at hydro right-of-way.



FIGURE 050

Photo: DSC09832
Date (YYYY MM DD): 2020 08 16
Location: **Chaster Tributary**
4.1.1.1, km 3.55
View direction: East
Description:
 Reed Road at culvert crossing of Chaster
 Tributary 4.1.1.1.



FIGURE 051

Photo: DSC09835
Date (YYYY MM DD): 2020 08 16
Location: **Chaster Tributary**
4.1.1.1, km 3.55
View direction: Upstream
Description:
 Dry channel above Reed Road.



FIGURE 052

Photo: DSC09831
Date (YYYY MM DD): 2020 08 16
Location: **Chaster Tributary**
4.1.1.1.1 (Inge Creek),
 km 3.6
View direction: Upstream
Description:
 Ditch along Reed Road that conveys runoff
 from north side of Reed Road.

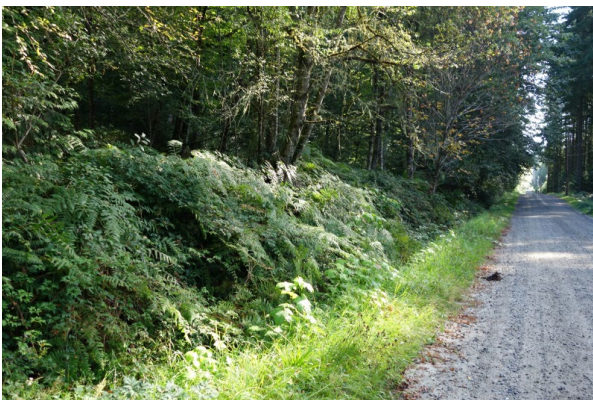


FIGURE 053

Photo: DSC09819
Date (YYYY MM DD): 2020 08 16
Location: **Chaster Tributary**
4.1.1.1.1 (Inge Creek),
 km 3.8
View direction: Downstream
Description:
 Ditch along Reed Road that seasonally conveys
 runoff from north side of Reed Road.



FIGURE 054

Photo: DSC09885
Date (YYYY MM DD): 2020 08 16
Location: **Chaster Tributary
4.1.1.1.1 (Inge Creek),
km 4.2**

View direction: Upstream

Description:

Small pond and water intake (water licence C015414). Sedimentation has all but eliminated storage capacity of the pond.



FIGURE 055

Photo: DSC09928
Date (YYYY MM DD): 2020 08 16
Location: **Chaster Tributary
4.1.1.1.1 (Inge Creek),
km 4.6**

View direction: West

Description:

Ravine at hydro right-of-way.



FIGURE 056

Photo: DSC09835
Date (YYYY MM DD): 2020 08 16
Location: **Chaster Tributary
4.1.1.1.2, km 3.6**

View direction: Upstream

Description:

Well-incised channel.



FIGURE 057

Photo: DSC09863
Date (YYYY MM DD): 2020 08 16
Location: **Chaster Tributary
4.1.1.1.2, km 3.65**

View direction: Downstream

Description:

Trail and water supply line crossing. Near-vertical eroding banks noted.



FIGURE 058

Photo: DSC09919
Date (YYYY MM DD): 2020 08 16
Location: **Chaster Tributary
4.1.1.1.2, km 4.3**
View direction: Downstream
Description:
At hydro right-of-way.



FIGURE 059

Photo: Placemark 8
Date (YYYY MM DD): 2021 07 16
Location: **Chaster Tributary
4.1.1.2 (Co-op Spring),
km 3.5**
View direction: Downstream
Description:
Below Reed Road.



FIGURE 060

Photo: Placemark 41
Date (YYYY MM DD): 2021 07 16
Location: **Chaster Tributary
4.1.1.2 (Co-op Spring),
km 3.5**
View direction: Upstream
Description:
Above Reed Road.



FIGURE 061

Photo: DSC09851
Date (YYYY MM DD): 2020 08 26
Location: **Chaster Tributary
4.1.1.2 (Co-op Spring),
km 3.6**
View direction: Upstream
Description:
Deep ravine near location of water licence
C019935 (no point of diversion noted).



FIGURE 062

Photo: DSC09851
Date (YYYY MM DD): 2020 08 26
Location: **Chaster Tributary
 4.1.1.2 (Co-op Spring),
 km 4.1**
View direction: West
Description:
 At hydro right-of-way

Chaster Creek (Tributaries above hydro right-of-way)



FIGURE 063

Photo: DSC00160
Date (YYYY MM DD): 2020 08 27
Location: **Chaster Tributary
 4.1.1.1.2.1, km 5.2**
View direction: East
Description:



FIGURE 064

Photo: DSC00163
Date (YYYY MM DD): 2020 08 27
Location: **Chaster Tributary
 4.1.1.1.2.2, km 5.2**
View direction: East
Description:



FIGURE 065

Photo: DSC00242
Date (YYYY MM DD): 2020 08 27
Location: **Chaster Tributary
 4.1.1.1.2.2, km 5.6**
View direction: Upstream
Description:



FIGURE 066

Photo: DSC00169
Date (YYYY MM DD): 2020 08 27
Location: **Chaster Tributary**
4.1.1.2.1, km 5.2
View direction: East
Description:



FIGURE 067

Photo: DSC00248
Date (YYYY MM DD): 2020 08 27
Location: **Chaster Tributary**
4.1.1.2.1, km 5.4
View direction: Upstream
Description:



FIGURE 068

Photo: DSC00175
Date (YYYY MM DD): 2020 08 27
Location: **Chaster Tributary**
4.1.1.2.2, km 5.1
View direction: Upstream
Description:



FIGURE 069

Photo: DSC00185
Date (YYYY MM DD): 2020 08 27
Location: **Chaster Tributary**
4.1.2.2.1, km 5.6
View direction: Downstream
Description:



FIGURE 070

Photo: DSC00190
Date (YYYY MM DD): 2020 08 27
Location: **Chaster Tributary
4.1.2.2.2, km 5.6**
View direction: Upstream
Description:



FIGURE 071

Photo: DSC00259
Date (YYYY MM DD): 2020 08 27
Location: **Chaster Tributary
4.1.2.2.2, km 6.0**
View direction: Upstream
Description:



FIGURE 072

Photo: DSC00273
Date (YYYY MM DD): 2020 08 27
Location: **Chaster Tributary 9.1,
km 6.3**
View direction: Upstream
Description:
Non classified channel in draw.



FIGURE 073dom

Photo: DSC00277
Date (YYYY MM DD): 2020 08 27
Location: **Chaster Tributary 9.2,
km 6.3**
View direction: Downstream
Description:
S6 channel in draw.

End/ Walker Creek (below Reed Road)



FIGURE 074

Photo: DSC09997
Date (YYYY MM DD): 2021 07 16
Location: **End/Walker Cr, km 0.0**
View direction: South
Description:
Mouth of creek.



FIGURE 075

Photo: Placemark 138
Date (YYYY MM DD): 2020 08 24
Location: **End/Walker Cr, km 0.0**
View direction: Upstream
Description:
Culvert at Ocean Beach Esplanade.



FIGURE 076

Photo: Placemark 57
Date (YYYY MM DD): 2020 08 27
Location: **End/Walker Cr, km 0.05**
View direction: Upstream
Description:
Retaining wall along property on north side of creek.



FIGURE 077

Photo: Placemark 57
Date (YYYY MM DD): 2020 08 27
Location: **End/Walker Cr, km 0.05**
View direction: Downstream
Description:



FIGURE 078

Photo: Placemark 56
Date (YYYY MM DD): 2021 07 16
Location: **End/Walker Cr, km 0.5**
View direction: Upstream
Description:

In 50 m deep ravine. Turbid water noted.



FIGURE 079

Photo: Placemark 56
Date (YYYY MM DD): 2021 07 16
Location: **End/Walker Cr, km 0.5**
View direction: Downstream
Description:

In 50 m deep ravine. Turbid water noted.



FIGURE 080

Photo: Placemark 15
Date (YYYY MM DD): 2021 07 16
Location: **End/Walker Cr,
 Unnamed Tributary
 branching off at km
 1.2**
View direction: Upstream

Description:
 1.2 m diameter culvert hanging 4 m above
 plunge pool below Sunshine Coast Highway.



FIGURE 081

Photo: Placemark 17
Date (YYYY MM DD): 2021 07 16
Location: **End/Walker Cr,
 Unnamed Tributary
 branching off at km
 1.4**
View direction: Upstream

Description:
 Small reservoir controlled by concrete weir.
 Heavy brush. Water licence F016236.



FIGURE 082

Photo: Placemark 53
Date (YYYY MM DD): 2021 07 16
Location: **End/Walker Cr, km 1.4**
View direction: Upstream
Description:
1200 mm culvert at Sunshine Coast Highway.



FIGURE 083

Photo: Placemark 51
Date (YYYY MM DD): 2021 07 16
Location: **End/Walker Cr, km 1.6**
View direction: Downstream
Description:
View below Russell Road 900 mm diameter hanging culvert.



FIGURE 084

Photo: Placemark 50
Date (YYYY MM DD): 2021 07 16
Location: **End/Walker Cr, km 1.6**
View direction: Upstream
Description:
View above Russell Road to Coastal Tire property.



FIGURE 085

Photo: Placemark 9
Date (YYYY MM DD): 2021 07 16
Location: **End/Walker Cr, km 1.75**
View direction: Upstream
Description:
Fine-grained streambed with brushy riparian zone.



FIGURE 086

Photo: Placemark 10
Date (YYYY MM DD): 2021 07 16
Location: **End/Walker Cr, km 1.8**
View direction: Downstream
Description:



FIGURE 087

Photo: Placemark 490
Date (YYYY MM DD): 2021 07 16
Location: **Non-classified channel above End/Walker Cr near km 2.0**
View direction: Upstream
Description:

Several minor draws in the upper portion of the Coastal Tire property.

End / Walker Creek (above Reed Road)



FIGURE 088

Photo: Placemark 222
Date (YYYY MM DD): 2021 07 16
Location: **End/Walker Cr watershed north of Reed Road**
View direction: West
Description:

Top of ditch that flows seasonally to the west along road.



FIGURE 089

Photo: Placemark 218
Date (YYYY MM DD): 2021 07 16
Location: **End/Walker Cr watershed north of Reed Road**
View direction: West
Description:

Low point along road/trail where seasonally, runoff may cross the road.



FIGURE 090

Photo: Placemark 110
Date (YYYY MM DD): 2021 07 16
Location: **End/Walker Cr watershed north of Reed Road**

View direction: South

Description:

Forest approximately 200 m north of the end of Reed Road. No classified streams were noted in the area.



FIGURE 090

Photo: Placemark 110
Date (YYYY MM DD): 2021 07 16
Location: **End/Walker Cr watershed north of Reed Road**

View direction: South

Description:

Smales Creek (below Reed Road)



FIGURE 091

Photo: Placemark 139
Date (YYYY MM DD): 2021 07 16
Location: **Smales Cr, km 0.0**

View direction: Upstream

Description:

Culvert at Ocean Beach Esplanade.



FIGURE 092

Photo: Placemark 139
Date (YYYY MM DD): 2021 07 16
Location: **Smales Cr, km 0.0**

View direction: Upstream

Description:

View above Ocean Beach Esplanade.



FIGURE 093

Photo: Placemark 139
Date (YYYY MM DD): 2021 07 16
Location: **Smales Cr, km 0.0**
View direction: Upstream

Description:

View above Ocean Beach Esplanade. Heavy brush along private property. Less than 1 L/s of flow noted.



FIGURE 094

Photo: Placemark 22
Date (YYYY MM DD): 2021 07 16
Location: **Near Smales Cr, km 0.8**
View direction: West

Description:

Ditch along Sunshine Coast Highway that conveys runoff to the west towards Whittaker Creek. Most of the flow from Smales Creek however appears to flow to the east towards End/Walker Creek.



FIGURE 095

Photo: Placemark 24
Date (YYYY MM DD): 2021 07 16
Location: **Smales Cr, km 0.8**
View direction: West

Description:

Ditch along Sunshine Coast Highway that conveys Smales Creek runoff (from above the highway) to the east towards End/Walker Creek. No flow in Smales Creek above the highway appears to cross the highway.



FIGURE 096

Photo: Placemark 62
Date (YYYY MM DD): 2021 07 16
Location: **Smales Cr, km 0.9**
View direction: Downstream

Description:



FIGURE 097

Photo: Placemark 214
Date (YYYY MM DD): 2021 07 16
Location: **Smales Cr, km 1.0**
View direction: Upstream
Description:
On Sunday Cider property.



FIGURE 098

Photo: Placemark 226
Date (YYYY MM DD): 2021 07 16
Location: **Smales Cr, km 1.1**
View direction: Upstream
Description:
Water line along creek.



FIGURE 099

Photo: Placemark 212
Date (YYYY MM DD): 2021 07 16
Location: **Smales Cr, km 1.15**
View direction: Upstream
Description:
Aggraded stream channel.



FIGURE 100

Photo: Placemark 224
Date (YYYY MM DD): 2021 07 16
Location: **Smales Cr, km 1.15**
View direction: Downstream
Description:
Foot bridge on Sunday Cider property.



FIGURE 101

Photo: Placemark 211
Date (YYYY MM DD): 2021 07 16
Location: **Smales Cr, km 1.2**
View direction: Downstream
Description:
Aggraded stream channel.



FIGURE 102

Photo: Placemark 178
Date (YYYY MM DD): 2021 07 16
Location: **Tributary to Smales Cr
that joins at km 1.3**
View direction: Upstream
Description:
Dry channel.



FIGURE 103

Photo: Placemark 178
Date (YYYY MM DD): 2021 07 16
Location: **Tributary to Smales Cr
that joins at km 1.3
(km 1.3)**
View direction: Downstream
Description:
Dry channel.



FIGURE 104

Photo: Placemark 206
Date (YYYY MM DD): 2021 07 16
Location: **Tributary to Smales Cr
that joins at km 1.3
(km 1.35)**
View direction: Upstream
Description:



FIGURE 105

Photo: Placemark 209
Date (YYYY MM DD): 2021 07 16
Location: **Tributary to Smales Cr
that joins at km 1.3
(km 1.4)**
View direction: Upstream
Description:
Small sump/pond (dry).



FIGURE 106

Photo: Placemark 209
Date (YYYY MM DD): 2021 07 16
Location: **Tributary to Smales Cr
that joins at km 1.3
(km 1.4)**
View direction: Downstream
Description:
Eroded channel below small sump/pond
(dry).



FIGURE 107

Photo: Placemark 222
Date (YYYY MM DD): 2021 07 16
Location: **Tributary to Smales Cr
that joins at km 1.3
(km 1.5)**
View direction: Downstream
Description:
Heavy brush.



FIGURE 108

Photo: Placemark 220
Date (YYYY MM DD): 2021 07 16
Location: **Tributary to Smales Cr
that joins at km 1.3
(km 1.6)**
View direction: Downstream
Description:
Upstream extent of gravel. NCD above this
point.



FIGURE 109

Photo: Placemark 64
Date (YYYY MM DD): 2021 07 16
Location: **Smales Cr, km 1.3**
View direction: Upstream
Description:
 In 8 m deep ravine.



FIGURE 110

Photo: Placemark 64
Date (YYYY MM DD): 2021 07 16
Location: **Smales Cr, km 1.3**
View direction: Downstream
Description:
 In 8 m deep ravine.



FIGURE 111

Photo: Placemark 67
Date (YYYY MM DD): 2021 07 16
Location: **Smales Cr, km 2.5**
View direction: Downstream
Description:
 View from Highland Road on west side of 10 m deep ravine.

Smales Creek (above Reed Road)



FIGURE 112

Photo: DSC09732
Date (YYYY MM DD): 2020 08 24
Location: **Smales Cr, km 1.7**
View direction: West
Description:
 View across ravine to residential development.



FIGURE 113

Photo: DSC09744
Date (YYYY MM DD): 2020 08 24
Location: **Smales Cr, km 1.9**
View direction: West
Description:



FIGURE 114

Photo: Placemark 161
Date (YYYY MM DD): 2021 07 16
Location: **Smales Cr Tributary 2, km 3.4**
View direction: Upstream
Description:
 View above 900 mm culvert.



FIGURE 115

Photo: Placemark 161
Date (YYYY MM DD): 2021 07 16
Location: **Smales Cr Tributary 2, km 3.4**
View direction: Downstream
Description:
 View below 900 mm culvert.



FIGURE 116

Photo: Placemark 102
Date (YYYY MM DD): 2021 07 16
Location: **Smales Cr watershed, north side of trail west of end of Reed Road.**
View direction: North
Description:
 Standing water along 100 m of ditch.

Whittaker Creek



FIGURE 117

Photo: DSC00026
Date (YYYY MM DD): 2020 08 26
Location: **Whittaker Cr, km 0.0**
View direction: Upstream
Description:

Widespread aggradation near the mouth of Whittaker Creek following a washout of Lower Road.



FIGURE 118

Photo: Placemark 140
Date (YYYY MM DD): 2021 07 16
Location: **Whittaker Cr, km 0.1**
View direction: Downstream
Description:

Stream conditions post-flood and road washout.



FIGURE 119

Photo: Placemark 99
Date (YYYY MM DD): 2021 07 16
Location: **Whittaker Cr, km 0.4**
View direction: Downstream
Description:

View below repaired crossing at Lower Road. A large volume of riprap was installed below crossing.

Higgs Brook



FIGURE 120

Photo: Placemark 37
Date (YYYY MM DD): 2021 07 16
Location: **Higgs Br, km 0.0**
View direction: East
Description:



FIGURE 121

Photo: Placemark 36
Date (YYYY MM DD): 2021 07 16
Location: **Higgs Br, km 0.05**
View direction: Upstream
Description:
Incised channel with eroding banks near trail.



FIGURE 122

Photo: Placemark 36
Date (YYYY MM DD): 2021 07 16
Location: **Higgs Br, km 0.05**
View direction: Downstream
Description:



FIGURE 123

Photo: Placemark 34
Date (YYYY MM DD): 2021 07 16
Location: **Higgs Br, km 0.1**
View direction: Downstream
Description:
Undercut bank poses a risk to utility building adjacent to channel.



FIGURE 124

Photo: Placemark 72
Date (YYYY MM DD): 2021 07 16
Location: **Higgs Br, km 0.1**
View direction: Upstream
Description:
1,000 mm diameter culvert at Lower Road. Incised channel below road.



FIGURE 125

Photo: Placemark 72
Date (YYYY MM DD): 2021 07 16
Location: **Higgs Br, km 0.3**
View direction: Downstream
Description:
View below Lower Road.



FIGURE 126

Photo: Placemark 38
Date (YYYY MM DD): 2021 07 16
Location: **Higgs Br, km 0.3**
View direction: Upstream
Description:
View above Lower Road.



FIGURE 127

Photo: Placemark 38
Date (YYYY MM DD): 2021 07 16
Location: **Higgs Br, km 0.3**
View direction: Downstream
Description:
Lower Road culvert inlet.



FIGURE 128

Photo: Placemark 41
Date (YYYY MM DD): 2021 07 16
Location: **Higgs Br, km 0.75**
View direction: Upstream
Description:
Incised channel near farm.



FIGURE 129

Photo: Placemark 41
Date (YYYY MM DD): 2021 07 16
Location: **Higgs Br, km 0.75**
View direction: Downstream
Description:
Incised channel near farm.



FIGURE 130

Photo: Placemark 49
Date (YYYY MM DD): 2021 07 16
Location: **Higgs Br, km 1.3**
View direction: Downstream
Description:
Weir and pond infilled with sediment.



FIGURE 131

Photo: Placemark 49
Date (YYYY MM DD): 2021 07 16
Location: **Higgs Br, km 1.3**
View direction: Upstream
Description:
Submersible pump in milk crate at location of weir and pond infilled with sediment. Water licence C070726.



FIGURE 132

Photo: Placemark 46
Date (YYYY MM DD): 2021 07 16
Location: **Higgs Br, km 1.6**
View direction: Upstream
Description:
View below Harman Road culvert.

Slater Creek



FIGURE 133

Photo: Placemark 62
Date (YYYY MM DD): 2021 07 16
Location: **Slater Cr, km 0.4**
View direction: Upstream
Description:
Above Lower Road.



FIGURE 134

Photo: Placemark 62
Date (YYYY MM DD): 2021 07 16
Location: **Slater Cr, km 0.4**
View direction: Downstream
Description:
Lower Road 1200 mm diameter concrete culvert.



FIGURE 135

Photo: Placemark 62
Date (YYYY MM DD): 2021 07 16
Location: **Slater Cr, km 0.45**
View direction: Upstream
Description:
Bedrock along channel noted.



FIGURE 136

Photo: Placemark 101
Date (YYYY MM DD): 2021 07 16
Location: **Slater Cr, km 1.0**
View direction: Upstream
Description:
Incised channel above Sunshine Coast Highway and 900 mm diameter culvert.



FIGURE 137

Photo: Placemark 91
Date (YYYY MM DD): 2021 07 16
Location: **Slater Cr, km 1.4**
View direction: Upstream
Description:
Above Porter Road.



FIGURE 138

Photo: Placemark 124
Date (YYYY MM DD): 2021 07 16
Location: **Slater Cr, km 1.4**
View direction: Downstream
Description:
600 mm diameter culvert at Porter Road.



FIGURE 139

Photo: Placemark 136
Date (YYYY MM DD): 2021 07 16
Location: **Slater Cr, km 1.6**
View direction: Upstream
Description:
Above Conrad Road.



FIGURE 140

Photo: Placemark 137
Date (YYYY MM DD): 2021 07 16
Location: **Slater Cr, km 2.1**
View direction: Upstream
Description:
Wood bridge near driveway on Pixton Road.



FIGURE 141

Photo: Placemark 153
Date (YYYY MM DD): 2021 07 16
Location: **Slater Cr Tributary 1.2,**
 km 3.3
View direction: Downstream
Description:
 NCD in gully.



FIGURE 142

Photo: Placemark 160
Date (YYYY MM DD): 2021 07 16
Location: **Slater Cr Tributary 2,**
 km 2.7
View direction: Downstream
Description:
 Above Lower Road.

Molyneux Creek (below hydro right-of-way)



FIGURE 143

Photo: Placemark 60
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr, km 0.3**
View direction: Upstream
Description:
 Below Lower Road.



FIGURE 144

Photo: Placemark 95
Date (YYYY MM DD): 2021 07 16
Location: **Slater Cr, km 0.3**
View direction: Downstream
Description:
 1,200 mm diameter concrete culvert with log at inlet. Evidence of sediment accumulation at inlet.



FIGURE 145

Photo: Placemark 56
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr, km 0.35**
View direction: Upstream
Description:
Incised channel above Lower Road. Heavy wood load.



FIGURE 146

Photo: Placemark 97
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr, km 0.5**
View direction: Upstream
Description:
Exposed clay till along stream bank.



FIGURE 147

Photo: Placemark 102
Date (YYYY MM DD): 2021 07 16
Location: 2021 07 16
View direction: **Molyneux Cr, km 0.9**
Description:
Above Sunshine Coast Highway.



FIGURE 148

Photo: Placemark 104
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr Tributary 1, km 1.15**
View direction: Upstream
Description:



FIGURE 149

Photo: Placemark 60
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr**
Tributary 1.1, km 1.4
View direction: East.
Description: Private bridge near end of Porter Road. No flow in stream.



FIGURE 150

Photo: Placemark 122
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr**
Tributary 1.2, km 1.3
View direction: Upstream
Description: Water intake in apparent disrepair.



FIGURE 151

Photo: Placemark 122
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr**
Tributary 1.2, km 1.3
View direction: Downstream
Description:



FIGURE 152

Photo: Placemark 107
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr**
Tributary 1.2, km 1.7
View direction: Upstream
Description:



FIGURE 153

Photo: Placemark 122
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr
Tributary 1.2, km 1.7**
View direction: Downstream
Description:



FIGURE 154

Photo: Placemark 111
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr
Tributary 1.2, km 1.75**
View direction: Downstream
Description:
Exposed water line in channel.



FIGURE 155

Photo: Placemark 112
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr
Tributary 1.2, km 1.7**
View direction: Upstream
Description:



FIGURE 156

Photo: Placemark 112
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr
Tributary 1.2, km 1.7**
View direction: Downstream
Description:
Location of former water intake above log jam and buried by gravel. Various pipes and barrel noted in area.



FIGURE 157

Photo: Placemark 125
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr
 Tributary 2, km 1.3**
View direction: Upstream
Description:
 1,200 mm diameter culvert.



FIGURE 158

Photo: Placemark 125
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr
 Tributary 2, km 1.3**
View direction: Downstream
Description:



FIGURE 159

Photo: Placemark 93
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr
 Tributary 2, km 1.35**
View direction: Upstream
Description:



FIGURE 160

Photo: Placemark 93
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr
 Tributary 2, km 1.35**
View direction: Downstream
Description:
 Water supply infrastructure along creek.
 Licence C114609.



FIGURE 161

Photo: Placemark 94
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr
Tributary 2, km 1.5**
View direction: West
Description:
Private stairs and bridge across creek.



FIGURE 162

Photo: Placemark 131
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr
Tributary 2, km 1.5**
View direction: Upstream
Description:



FIGURE 163

Photo: Placemark 132
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr
Tributary 2, km 1.55**
View direction: Upstream
Description:
Water line along creek.



FIGURE 164

Photo: Placemark 133
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr
Tributary 2, km 1.6**
View direction: Upstream
Description:
Water supply infrastructure along creek.



FIGURE 165

Photo: Placemark 134
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr
 Tributary 2, km 1.6**
View direction: Downstream
Description:
 Intake in small pool. Licence C118817.



FIGURE 166

Photo: Placemark 142
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr
 Tributary 2, km 1.7**
View direction: Upstream
Description:

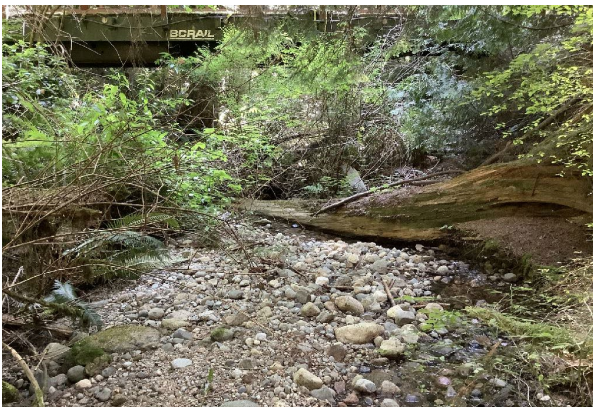


FIGURE 167

Photo: Placemark 122
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr
 Tributary 2, km 1.7**
View direction: Downstream
Description:
 Bridge constructed from railcar.

Molyneux Creek (above hydro right-of-way)



FIGURE 168

Photo: Placemark 81
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr
 Tributary 1.1, km 2.8**
View direction: Downstream
Description:
 Subtle draw with no evidence of surface flow.



FIGURE 169

Photo: Placemark XX
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr**
Tributary 1.2, km 2.5
View direction: Upstream

Description:
 Concrete intake in channel with pvc distribution pipe below. Intake may be vulnerable to sediment loading.



FIGURE 170

Photo: Placemark 73
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr**
Tributary 1.2, km 2.5
View direction: Downstream

Description:



FIGURE 171

Photo: Placemark 74
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr**
Tributary 1.2, km 2.6
View direction: Upstream

Description:
 Heavy blowdown from edge of harvested block to the east.



FIGURE 172

Photo: Placemark 74
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr**
Tributary 1.2, km 2.6
View direction: Downstream

Description:



FIGURE 173

Photo: Placemark 33
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr
Tributary 1.2, km 2.8**
View direction: Upstream
Description:
Bouldery channel above log bridge.



FIGURE 174

Photo: DSC00071
Date (YYYY MM DD): 2020 08 24
Location: **Molyneux Cr
Tributary 1.2.2.1, km
3.8**
View direction: Upstream
Description:



FIGURE 175

Photo: Placemark 148
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr
Tributary 1.2.7, km 4.1**
View direction: Upstream
Description:
S6 channel above 900 mm culvert.



FIGURE 176

Photo: Placemark 147
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr
Tributary 1.2.8.1, km
4.1**
View direction: Upstream
Description:
S6 channel above 900 mm culvert.



FIGURE 177

Photo: Placemark 151
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr**
Tributary 2.1.1.1, km
3.7
View direction: Upstream
Description:



FIGURE 178

Photo: Placemark 176
Date (YYYY MM DD): 2021 07 16
Location: **Molyneux Cr**
Tributary 2.1.1.1, km
3.9
View direction: Upstream
Description:

Joe Smith Creek



FIGURE 179

Photo: Placemark 116
Date (YYYY MM DD): 2021 07 16
Location: **Joe Smith Cr, km 0.0**
View direction: Upstream
Description:



FIGURE 180

Photo: Placemark 116
Date (YYYY MM DD): 2021 07 16
Location: **Joe Smith Cr, km 0.0**
View direction: Downstream
Description:



FIGURE 181

Photo: Placemark 149
Date (YYYY MM DD): 2021 07 16
Location: **Joe Smith Cr, km 0.05**
View direction: Upstream
Description:
Eroding channel along private property.



FIGURE 182

Photo: Placemark 115
Date (YYYY MM DD): 2021 07 16
Location: **Joe Smith Cr, km 0.05**
View direction: Downstream
Description:
Eroding channel along private property.



FIGURE 183

Photo: Placemark 148
Date (YYYY MM DD): 2021 07 16
Location: **Joe Smith Cr, km 0.05**
View direction: Upstream
Description:
Bedrock exposed along channel. Rock and concrete retaining walls along banks.



FIGURE 184

Photo: Placemark 147
Date (YYYY MM DD): 2021 07 16
Location: **Joe Smith Cr, km 0.15**
View direction: Downstream
Description:
Pipe arch culvert at Milliner Road.



FIGURE 185

Photo: Placemark 117
Date (YYYY.MM.DD): 2021 07 16
Location: **Joe Smith Cr, km 0.2**
View direction: Upstream
Description:
Exposed bedrock along channel.



FIGURE 186

Photo: Placemark 118
Date (YYYY.MM.DD): 2021 07 16
Location: **Joe Smith Cr, km 0.25**
View direction: Upstream
Description:



FIGURE 187

Photo: Placemark 153
Date (YYYY.MM.DD): 2021 07 16
Location: **Joe Smith Cr, km 0.25**
View direction: Downstream
Description:
Undercut banks may pose blowdown risk.



FIGURE 188

Photo: Placemark 155
Date (YYYY.MM.DD): 2021 07 16
Location: **Joe Smith Cr, km 0.25**
View direction: Downstream
Description:
Debris jams and sediment accumulation below Lower Road.



FIGURE 189

Photo: Placemark 120
Date (YYYY MM DD): 2021 07 16
Location: **Joe Smith Cr, km 0.3**
View direction: Upstream

Description:
Culvert outlet at Lower Road. Note water distribution pipe in culvert. Intake of pipe approximately 10 m above road (not apparently in use).



FIGURE 190

Photo: Placemark 131
Date (YYYY MM DD): 2021 07 16
Location: **Joe Smith Cr, km 0.3**
View direction: Downstream

Description:
Below Lower Road channel partially flows across bedrock. Water distribution line along channel. Does not appear to be in use.



FIGURE 191

Photo: Placemark 121
Date (YYYY MM DD): 2021 07 16
Location: **Joe Smith Cr, km 0.35**
View direction: Upstream

Description:
Sediment trapped by debris above Lower Road.



FIGURE 192

Photo: Placemark 122
Date (YYYY MM DD): 2021 07 16
Location: **Joe Smith Cr, km 0.35**
View direction: Upstream

Description:



FIGURE 193

Photo: Placemark 123
Date (YYYY MM DD): 2021 07 16
Location: **Joe Smith Cr, km 0.45**
View direction: Upstream
Description:



FIGURE 194

Photo: Placemark 123
Date (YYYY MM DD): 2021 07 16
Location: **Joe Smith Cr, km 0.45**
View direction: Downstream
Description:



FIGURE 195

Photo: Placemark 125
Date (YYYY MM DD): 2021 07 16
Location: **Joe Smith Cr, km 0.5**
View direction: Upstream
Description:

Exposed bedrock. Water distribution line along channel.



FIGURE 196

Photo: Placemark 126
Date (YYYY MM DD): 2021 07 16
Location: **Joe Smith Cr, km 0.55**
View direction: Downstream
Description:



FIGURE 197

Photo: Placemark 131
Date (YYYY MM DD): 2021 07 16
Location: **Joe Smith Cr, km 0.70**
View direction: Upstream
Description:



FIGURE 198

Photo: Placemark 162
Date (YYYY MM DD): 2021 07 16
Location: **Joe Smith Cr, km 0.70**
View direction: Downstream
Description:

Five 600 mm diameter culverts on private driveway.



FIGURE 199

Photo: Placemark 160
Date (YYYY MM DD): 2021 07 16
Location: **Joe Smith Cr, km 0.85**
View direction: Upstream
Description:

Concrete culvert at Sunshine Coast Highway



FIGURE 200

Photo: Placemark 160
Date (YYYY MM DD): 2021 07 16
Location: **Joe Smith Cr, km 0.85**
View direction: Upstream
Description:

View below Sunshine Coast Highway.



FIGURE 201

Photo: Placemark 163
Date (YYYY MM DD): 2021 07 16
Location: **Joe Smith Cr, km 1.10**
View direction: Upstream
Description:
View above Pixton Road culvert.



FIGURE 202

Photo: Placemark 224
Date (YYYY MM DD): 2021 07 16
Location: **Joe Smith Cr, km 1.50**
View direction: Upstream
Description:
Water distribution line along channel.



FIGURE 203

Photo: Placemark 134
Date (YYYY MM DD): 2021 07 16
Location: **Joe Smith Cr, km 1.70**
View direction: West
Description:
Water distribution line along stream at hydro right-of-way.



FIGURE 204

Photo: Placemark XX
Date (YYYY MM DD): 2021 07 16
Location: **Joe Smith Cr, km 1.80**
View direction: Upstream
Description:
Aggraded channel.



FIGURE 205

Photo: Placemark 160
Date (YYYY MM DD): 2021 07 16
Location: **Joe Smith Cr, km 1.8**
View direction: Downstream
Description:
Private bridge.



FIGURE 206

Photo: Placemark 145
Date (YYYY MM DD): 2021 07 16
Location: **Joe Smith Cr, km 4.0**
View direction: Upstream
Description:
S6 channel.

Clough Creek



FIGURE 207

Photo: Placemark 160
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr, km 0.0**
View direction: West
Description:
Mouth of creek.



FIGURE 208

Photo: Placemark 187
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr, km 0.1**
View direction: Downstream
Description:



FIGURE 209

Photo: Placemark 186
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr, km 0.1**
View direction: Upstream
Description:



FIGURE 210

Photo: Placemark 191
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr, km 0.3**
View direction: Upstream
Description:
Concrete weir, does not appear to be functional.



FIGURE 211

Photo: Placemark 190
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr, km 0.3**
View direction: Upstream
Description:
Outlet of 1200 mm diameter culvert at Lower Road.

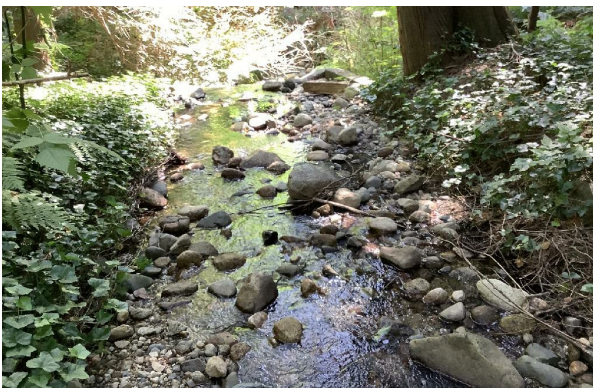


FIGURE 212

Photo: Placemark 190
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr, km 0.3**
View direction: Downstream
Description:
Channel below Lower Road.



FIGURE 213

Photo: Placemark 162
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr, km 0.35**
View direction: Upstream
Description:
View above Lower Road to private foot bridge.



FIGURE 214

Photo: Placemark 192
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr, km 0.6**
View direction: West
Description:
10 m deep ravine.



FIGURE 215

Photo: Placemark 164
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr, km 0.65**
View direction: Downstream
Description:
Ravine.

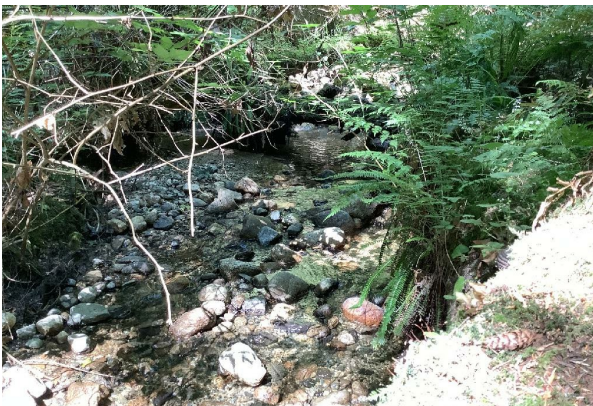


FIGURE 216

Photo: Placemark 193
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr, km 0.65**
View direction: Upstream
Description:



FIGURE 217

Photo: Placemark 166
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr, km 0.85**
View direction: Upstream
Description:



FIGURE 218

Photo: Placemark 166
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr, km 0.85**
View direction: Downstream
Description:



FIGURE 219

Photo: Placemark 194
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr, km 0.9**
View direction: East
Description:
Unstable slumping road embankment above culvert.



FIGURE 220

Photo: Placemark 171
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr, km 1.2**
View direction: Upstream
Description:



FIGURE 221

Photo: Placemark 141
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr, km 1.2**
View direction: Downstream
Description:

Suspected scar on tree associated with the 1983 debris flow. Scar is up to 3 m above current streambed.



FIGURE 222

Photo: Placemark 138
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr, km 1.2**
View direction: Upstream
Description:

View across property affected by the 1983 debris flow.



FIGURE 223

Photo: Placemark 173
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr, km 1.35**
View direction: Upstream
Description:



FIGURE 224

Photo: Placemark 174
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr, km 1.45**
View direction: Upstream
Description:

View above Orange Road culvert.



FIGURE 225

Photo: Placemark 144
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr, km 1.45**
View direction: Downstream
Description:
View below Orange Road culvert.



FIGURE 226

Photo: Placemark 177
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr, km 1.5**
View direction: Upstream
Description:
Water pump principally used by property owner for fire protection.



FIGURE 227

Photo: Placemark 178
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr, km 1.6**
View direction: Upstream
Description:



FIGURE 228

Photo: Placemark 178
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr, km 1.6**
View direction: Downstream
Description:
Localized riparian clearing along private property.



FIGURE 229

Photo: Placemark 149
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr, km 1.7**
View direction: Upstream
Description:
Exposed bedrock along channel.



FIGURE 230

Photo: Placemark 179
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr, km 1.2**
View direction: Upstream
Description:
Water intake near hydro right-of-way.
Distribution line runs parallel to creek to private property.



FIGURE 231

Photo: Placemark 152
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr, km 2.35**
View direction: Upstream
Description:



FIGURE 232

Photo: Placemark 152
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr, km 2.35**
View direction: Downstream
Description:



FIGURE 233

Photo: Placemark 239
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr, km 4.2**
View direction: Upstream
Description:



FIGURE 234

Photo: Placemark 136
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr Tributary 2, km 1.9**
View direction: Upstream
Description:

Concrete weir and intake with 5 m by 5 m pool. NCD above. No registered water licence noted at this location.



FIGURE 235

Photo: Placemark 231
Date (YYYY MM DD): 2021 07 16
Location: **Clough Cr Tributary 3, km 4.2**
View direction: Upstream
Description:

Suspected tributary along which the 1983 debris flow occurred.