

N:\CAD\2007\1373\0055 Meliande West Gold Project\4000\c07 - 1732940 site m11.5.dwg Nov 21, 2008 - 8:40am



Photo 221 - Juvenile Arctic grayling (FL: 89 mm).



Photo 230 - Upslope view from proposed crossing location.



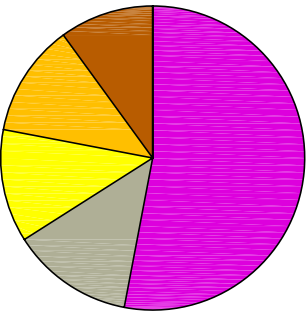
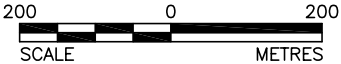
Photo 233 - View of dispersed flow 100 m upstream from the proposed crossing location.



Photo 237 - Downstream view from 300 m upstream from the proposed crossing location.

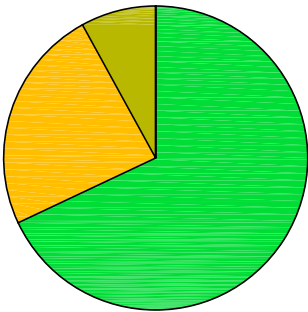


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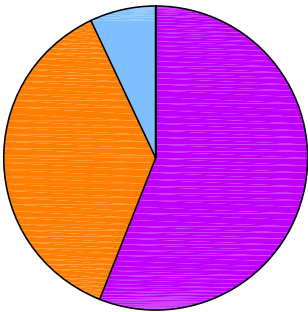
SUBSTRATE

- DETRITUS
- FINES
- GRAVEL
- COBBLE
- BOULDER



INSTREAM COVER

- VEGETATION
- BOULDER GARDENS
- UNDERCUT BANKS



HABITAT TYPE

- RIFFLES
- RUNS
- POOLS

Site M11.5
Date of Survey: June 19, 2008

Upstream UTM: 547466 E, 6978319 N
Downstream UTM: 547377 E, 6978002 N

Water Quality:

| | |
|--------------|--------------|
| Time | 16:15 |
| Temperature | 15.0°C |
| Conductivity | N/A |
| pH | N/A |
| DO | 8 to 10 mg/L |

Channel:

| | |
|------------------------|-----------|
| Stream length surveyed | 380.0 m |
| Mean channel width | 4.7 m |
| Mean flooded width | 26.7 m |
| Discharge | 2.56 m³/s |

Fish Captured / Observed:

| Method | Capture (n) | Size range (mm) | Effort |
|--------------|-----------------------|-----------------|---------|
| E-fishing | NNST (18) ARGR (1) | 32-67 89 | 520 s |
| Observations | NNST (20) ARGR (5) | <200 10-60 | — |
| Egg sampling | — | — | 6 kicks |

* N/A = Not Assessed

PROJECT
COMAPLEX
MELIADINE WEST GOLD PROJECT

TITLE
AQUATIC HABITAT SUMMARY FOR
SITE M11.5



| | | | |
|---------|-------------------|----------|-----------------------|
| PROJECT | 07.1373.0055.4000 | FILE No. | 1732940 |
| DESIGN | RP | 30/09/08 | SCALE AS SHOWN REV. 0 |
| CADD | FN | 21/10/08 | |
| CHECK | RP | 20/11/08 | |
| REVIEW | JP | 20/11/08 | |

FIGURE: C7



Photo 201 - Downstream view from 100 m upstream from proposed crossing (ATV damage in foreground).



Photo 207 - Upstream view from 200 m upstream from proposed crossing location.



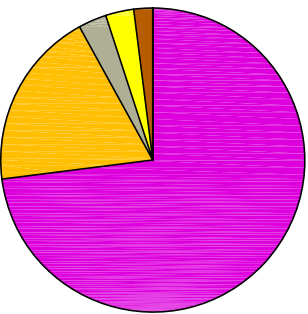
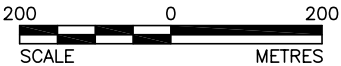
Photo 208 - Downstream view from 200 m downstream from proposed crossing location.



Photo 210 - Downstream view from 300 m upstream from proposed crossing location.

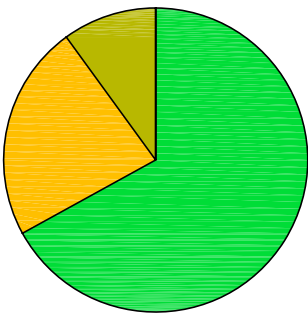


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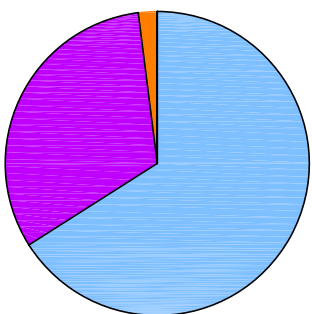
SUBSTRATE

- DETRITUS
- FINES
- GRAVEL
- COBBLE
- BOULDER



INSTREAM COVER

- VEGETATION
- BOULDER GARDENS
- UNDERCUT BANKS



HABITAT TYPE

- DEEPER THAN 5 m
- RUNS
- POOLS

Site M13.3
Date of Survey: June 19, 2008

Upstream UTM: 546338 E, 6979514 N
Downstream UTM: 546073 E, 6979553 N

Water Quality:

| | |
|--------------|--------------|
| Time | 13:30 |
| Temperature | 15.0°C |
| Conductivity | N/A |
| pH | N/A |
| DO | 8 to 10 mg/L |

Channel:

| | |
|------------------------|---------|
| Stream length surveyed | 340.0 m |
| Mean channel width | 4.8 m |
| Mean flooded width | 10.2 m |
| Discharge | N/A |

Fish Captured / Observed:

| Method | Capture (n) | Size range | Effort |
|--------------|-------------|------------|--------|
| E-fishing | — | — | 222 s |
| Observations | NNST (10) | <100 mm | — |
| Egg sampling | — | — | — |

* N/A = Not Assessed

PROJECT
COMAPLEX
MELIADINE WEST GOLD PROJECT

TITLE
AQUATIC HABITAT SUMMARY FOR
SITE M13.3



| | | | | |
|---------------------------|----|----------|------------------|----------|
| PROJECT 07.1373.0055.4000 | | | FILE No. 1732941 | |
| DESIGN | RP | 30/09/08 | SCALE | AS SHOWN |
| CADD | FN | 21/10/08 | REV. | 0 |
| CHECK | RP | 20/11/08 | FIGURE: C8 | |
| REVIEW | JP | 20/11/08 | | |



Photo 060 - Downstream view from 50 m upstream from watercourse outlet.



Photo 061 - Upstream view from 50 m upstream from watercourse outlet.



Photo 063 - Downstream view from 100 m upstream from watercourse outlet.

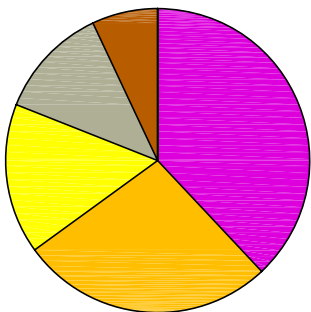


Photo 067 - View of ponded water and proposed left bank approach.



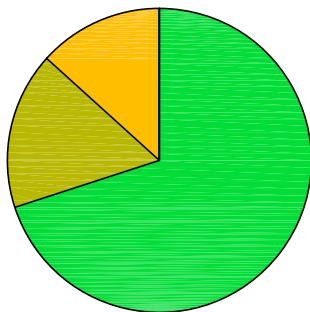
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SCALE METRES



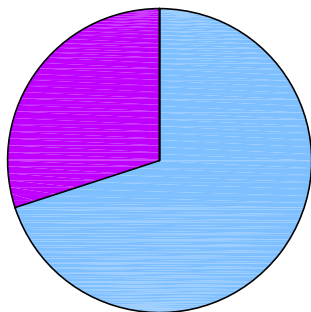
SUBSTRATE

DETRITUS
FINES
GRAVEL
COBBLE
BOULDER



INSTREAM COVER

VEGETATION
BOULDER GARDENS
UNDERCUT BANKS



HABITAT TYPE

RIFFLES
RUNS
POOLS

Site M22.6
Date of Survey: June 17, 2008

Upstream UTM: 541223 E, 6985481 N
Downstream UTM: 541281, E 6985602 N

Water Quality:

| | |
|--------------|------------|
| Time | 09:30 |
| Temperature | 9.6°C |
| Conductivity | 63.6 µS/cm |
| pH | 7.5 |
| DO | 9-10 mg/L |

Channel:

| | |
|------------------------|---------|
| Stream length surveyed | 180.0 m |
| Mean channel width | 9.0 m |
| Mean flooded width | 33.3 m |
| Discharge | N/A |

Fish Captured / Observed:

| Method | Capture (n) | Size range (mm) | Effort |
|--------------|-------------|-----------------|--------|
| E-fishing | NNST (2) | 28-68 | 398 s |
| Observations | NNST (25) | <100 | — |
| Egg sampling | — | — | — |

* N/A = Not Assessed

PROJECT
COMAPLEX
MELIADINE WEST GOLD PROJECT

TITLE
AQUATIC HABITAT SUMMARY FOR
SITE M22.6



| PROJECT 07.1373.0055.4000 | | | FILE No. 1732942 | | |
|---------------------------|----|----------|------------------|----------|--------|
| DESIGN | RP | 30/09/08 | SCALE | AS SHOWN | REV. 0 |
| CADD | FN | 21/10/08 | | | |
| CHECK | RP | 20/11/08 | | | |
| REVIEW | JP | 20/11/08 | | | |

FIGURE: C9

N:\CAD\2007\1373\0055 Meliande West Gold Project\4000\c10 - 1732943 site m23.7.dwg Nov 21, 2008 - 8:56am



Photo 034 - Slimy sculpin.



Photo 045 - Upstream view of single channel from 50 m upstream from proposed crossing.



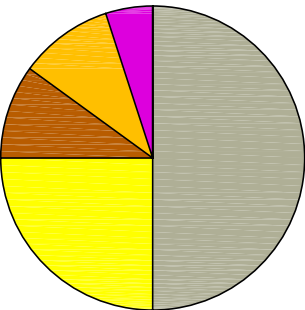
Photo 047 - Upstream view from 100 m upstream from proposed crossing location.



Photo 048 - Downstream view from 100 m upstream from proposed crossing location.

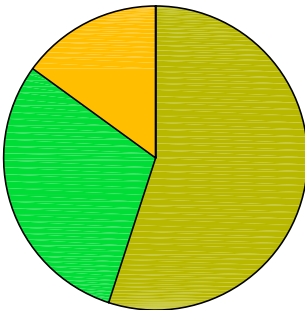


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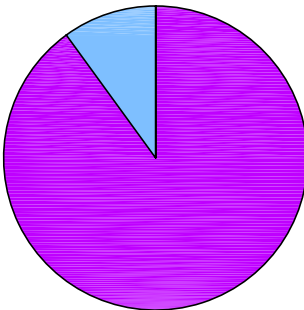
SUBSTRATE

- DETRITUS
- FINES
- GRAVEL
- COBBLE
- BOULDER



INSTREAM COVER

- VEGETATION
- BOULDER GARDENS
- UNDERCUT BANKS



HABITAT TYPE

- RIFFLES
- RUNS
- POOLS

Site M23.7
Date of Survey: June 17, 2008

Upstream UTM: 541133 E, 6986401 N
Downstream UTM: 541192 E, 6986312 N

Water Quality:

| | |
|--------------|--------------|
| Time | 12:30 |
| Temperature | 12.4°C |
| Conductivity | 119.9 µS/cm |
| pH | 7.7 |
| DO | 10 - 12 mg/L |

Channel:

| | |
|------------------------|---------|
| Stream length surveyed | 140.0 m |
| Mean channel width | 2.2 m |
| Mean flooded width | 43.0 m |
| Discharge | N/A |

Fish Captured / Observed:

| Method | Capture (n) | Size range (mm) | Effort |
|--------------|----------------------|-----------------|--------|
| E-fishing | NNST (18) SLSC(3) | 38-67 69-94 | 409 s |
| Observations | ARGR (1) | 250 | — |
| Egg sampling | — | — | — |

* N/A = Not Assessed

PROJECT
COMAPLEX
MELIADINE WEST GOLD PROJECT

TITLE
**AQUATIC HABITAT SUMMARY FOR
SITE M23.7**



| | | | |
|---------|-------------------|----------|----------------|
| PROJECT | 07.1373.0055.4000 | FILE No. | 1732943 |
| DESIGN | RP | 30/09/08 | SCALE AS SHOWN |
| CADD | FN | 21/10/08 | REV. 0 |
| CHECK | RP | 20/11/08 | |
| REVIEW | JP | 20/11/08 | |

FIGURE: C10



Photo 513 - Downstream view from 100 m upstream from proposed crossing location.



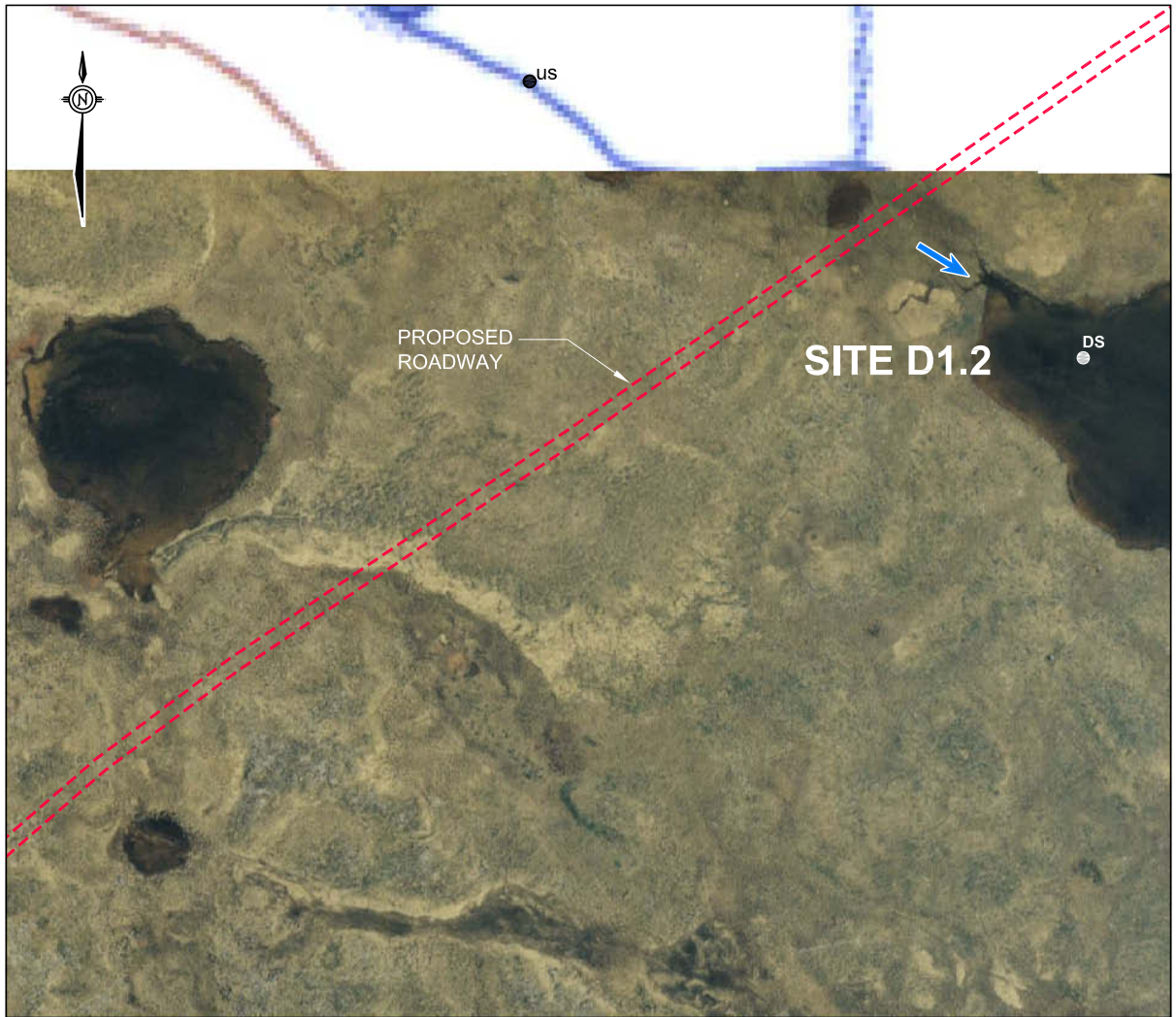
Photo 514 - Upstream view from 200 m upstream from proposed crossing location.



Photo 515 - Downstream view from 200 m upstream from proposed crossing location.

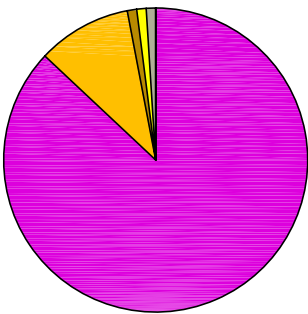
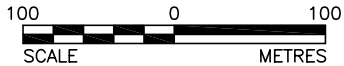


Photo 516 - Upstream view of ponded water 300 m upstream from proposed crossing location.



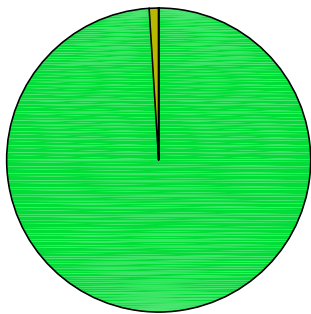
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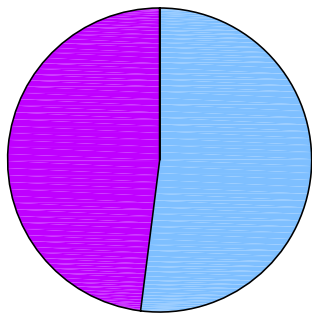
SUBSTRATE

- DETritus
- FINES
- GRAVEL
- COBBLE
- BOULDER



INSTREAM COVER

- VEGETATION
- BOULDER GARDENS
- UNDERCUT BANKS



HABITAT TYPE

- RIFFLES
- RUNS
- POOLS

Site D1.2
Date of Survey: June 20, 2008

Upstream UTM: 546835 E, 6981369 N
Downstream UTM: 547190, E 6981152 N

Water Quality:

| | |
|--------------|-------------|
| Time | 14:45 |
| Temperature | 20°C |
| Conductivity | N/A |
| pH | N/A |
| DO | 6 to 8 mg/L |

Channel:

| | |
|------------------------|---------|
| Stream length surveyed | 530.0 m |
| Mean channel width | 2.4 m |
| Mean flooded width | 63.0 m |
| Discharge | N/A |

Fish Captured / Observed:

| Method | Capture (n) | Size range (mm) | Effort |
|--------------|-------------|-----------------|--------|
| E-fishing | — | — | 211 s |
| Observations | NNST (2) | 60-80 | — |
| Egg sampling | — | — | — |

* N/A = Not Assessed

PROJECT
COMAPLEX
MELIADINE WEST GOLD PROJECT

TITLE
AQUATIC HABITAT SUMMARY FOR
SITE D1.2



| | | | |
|---------|-------------------|----------|-----------------------|
| PROJECT | 07.1373.0055.4000 | FILE No. | 1732944 |
| DESIGN | RP | 30/09/08 | SCALE AS SHOWN REV. 0 |
| CADD | FN | 21/10/08 | |
| CHECK | RP | 20/11/08 | |
| REVIEW | JP | 20/11/08 | |

FIGURE: C11