

Appendix I: Copies of Field Cards (Arranged by Site)

FISH COLLECTION FORM

Tildeley C. LAKE STREAM WETLAND

WATER QUALITY: Y N

PROJECT NO: 19991110106 DATE: 1/4/10 AGENCY: COIG CREW: SR MS RE-SAMPLE:

SITE/METHOD: R/I

FISH SUMMARY: 1 GR 1 RB J 1 37 39 R (cont. Rev. low flow)

Tildeley C. LAKE STREAM WETLAND

WATER QUALITY: Y N

PROJECT NO: 19991110110 DATE: 1/4/10 AGENCY: COIG CREW: SR MS RE-SAMPLE:

SITE/METHOD: 7-2

CHANNEL: mhd: HC 2.1 7.2 10.8 6.6 5.8 8.3 3.5 °C
 HC 2.7 3.8 3.6 4.5 5.8 4.6 3.5 1.5
 HS 1.1 1.0 0.7 0.6 1.2 2.0 4.0

COVER: SWD LWD B U DP OV IV AMT LOC

FEATURES: E 12, 33 R 14.0 F 14 14.59 → 390m d/s 300m rd kiloi
 F 6 R 14.0 F 14 15.14 → 575m d/s 400m rd kiloi

TILDELEY C. LAKE STREAM WETLAND

WATER QUALITY: Y N

PROJECT NO: 1999111012106 DATE: 1/4/10 AGENCY: COIG CREW: SR MS RE-SAMPLE:

SITE/METHOD: 2

FISH SUMMARY: 2 EF 1 1 NFP 0

TTC LAKE STREAM WETLAND

WATER QUALITY: Y N

PROJECT NO: 1999111012106 DATE: 1/7/10 AGENCY: COIG CREW: GR MS RE-SAMPLE:

SITE/METHOD: 3

CHANNEL: mhd: MS 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0 11.0 12.0 13.0 14.0 15.0 16.0 17.0 18.0 19.0 20.0
 MS 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0 11.0 12.0 13.0 14.0 15.0 16.0 17.0 18.0 19.0 20.0
 HS 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0 11.0 12.0 13.0 14.0 15.0 16.0 17.0 18.0 19.0 20.0

COVER: SWD LWD B U DP OV IV AMT LOC

FEATURES: C 80, 300 R F

NET / TRAP SPECIFICATIONS														
GEAR SPECIFICATIONS	CELL	NO. OF	NO. OF	NO. OF	NO. OF	NO. OF	NO. OF	NO. OF	NO. OF	NO. OF	NO. OF			
	1	Cell	1	210	1270	79	60	13	0	700	70	6	SR	123

Site - above 1st falls on Tildenay above Knapthorpe L.
 inferred as mammal-bearing in 1996, but confirmed
 RB use above these falls! (57) (w. 18) (w. 32)

HABITAT QUALITY
Exc. hb R, O, S for RB

FSZ

PHOTO DOCUMENTATION	DATE	TIME	NO. OF	NO. OF
100	13	55	40	1413
100	14	55	44	1414
100	15	9	1	3 features
100	16			

WILDLIFE	NO. OF OBSERVATIONS	NO. OF	NO. OF

COMMENTS
Site to 240 m above falls - part of ring from 1st falls (L. 1000 m above falls)

NET / TRAP SPECIFICATIONS														
GEAR SPECIFICATIONS	CELL	NO. OF	NO. OF	NO. OF	NO. OF	NO. OF	NO. OF	NO. OF	NO. OF	NO. OF	NO. OF			
	2	Cell	1	1410	1500	1039	700	4.0	0	800	80	6	SR	123

HABITAT QUALITY

FSZ

PHOTO DOCUMENTATION	DATE	TIME	NO. OF	NO. OF
21	4	55	17	17:00 - 17:30 - 17:45 - 18:00 - 18:15 - 18:30 - 18:45 - 19:00 - 19:15 - 19:30 - 19:45 - 20:00 - 20:15 - 20:30 - 20:45 - 21:00 - 21:15 - 21:30 - 21:45 - 22:00 - 22:15 - 22:30 - 22:45 - 23:00 - 23:15 - 23:30 - 23:45 - 24:00

WILDLIFE	NO. OF OBSERVATIONS	NO. OF	NO. OF

COMMENTS
Site - from north to south 7 h. flow of water near mouth + snow melt 3. Underly but seen at very close range 4. deep rock right from mouth on 2nd/3rd falls below

FISH COLLECTION FORM

DATE: 11/09/11 TIME: 11:10 AGENCY: C116 PROJECT: SPINT

WATER TYPE: LAKE STREAM WETLAND

WATERBODY: Y2 ON

RE-SAMPLE:

SITE/METHOD: 3

FISH SUMMARY: 3 FC1 1 NRP

FISH COLLECTION FORM

DATE: 11/09/11 TIME: 11:10 AGENCY: C116 PROJECT: SPINT

WATER TYPE: LAKE STREAM WETLAND

WATERBODY: Y2 ON

RE-SAMPLE:

SITE/METHOD: 4

CHANNEL: ASL 4/18/14/16/15

TEMP: 4.5 °C

PH: 7.4

DO: 0.2, 0.3, 0.3, 0.4, 0.2, 0.3

COVER: NFA, UVO, GCBRA, NSCDMW

FEATURES: C 3 1 8

REMARKS: R1 F1 - 1st juvenile contact
R2 F1 - 1st juvenile contact
R3 F1 - 1st juvenile contact
R4 F1 - 1st juvenile contact

FISH COLLECTION FORM

DATE: 11/09/11 TIME: 11:10 AGENCY: C116 PROJECT: SPINT

WATER TYPE: LAKE STREAM WETLAND

WATERBODY: Y2 ON

RE-SAMPLE:

SITE/METHOD: 4

FISH SUMMARY: 4 EL1 1 NEC

FISH COLLECTION FORM

DATE: 11/09/11 TIME: 11:10 AGENCY: C116 PROJECT: SPINT

WATER TYPE: LAKE STREAM WETLAND

WATERBODY: Y2 ON

RE-SAMPLE:

SITE/METHOD: 4

CHANNEL: M(1) 12/3/4/11

TEMP: 4.5 °C

PH: 7.2

DO: 0.2, 0.3, 0.3, 0.4, 0.2, 0.3

COVER: NFA, UVO, GCBRA, NSCDMW

FEATURES: C 3 1 8

REMARKS: R1 F1 - 1st juvenile contact
R2 F1 - 1st juvenile contact
R3 F1 - 1st juvenile contact
R4 F1 - 1st juvenile contact

NET / TRAP SPECIFICATIONS												
C	DATE	TIME	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT
3	6/1	12:40	13:00	13:15	13:30	13:45	14:00	14:15	14:30	14:45	15:00	15:15

NET / TRAP SPECIFICATIONS												
C	DATE	TIME	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT
5	6/1	13:40	14:00	14:15	14:30	14:45	15:00	15:15	15:30	15:45	16:00	16:15

PHOTO DOCUMENTATION

NO.	DATE	TIME	LOCATION	DESCRIPTION
21	6	ST	1	13:49
21	6	ST	1	13:50

WILDLIFE OBSERVATION

WILDLIFE BASED SWING

COMMENTS

Sub-catchment area north of cascade and high alt. - 1st harvest possible / captured - 1st harvest 5/10 - 2nd harvest 10/10 - 3rd harvest 10/10 - 4th harvest 10/10 - 5th harvest 10/10 - 6th harvest 10/10 - 7th harvest 10/10 - 8th harvest 10/10 - 9th harvest 10/10 - 10th harvest 10/10

NET / TRAP SPECIFICATIONS												
C	DATE	TIME	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT
4	6/1	14:00	14:15	14:30	14:45	15:00	15:15	15:30	15:45	16:00	16:15	16:30

COMMENTS

1st harvest 10/10 - 2nd harvest 10/10 - 3rd harvest 10/10 - 4th harvest 10/10 - 5th harvest 10/10 - 6th harvest 10/10 - 7th harvest 10/10 - 8th harvest 10/10 - 9th harvest 10/10 - 10th harvest 10/10

NET / TRAP SPECIFICATIONS												
C	DATE	TIME	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT
21	6	ST	1	14:00								
21	6	ST	1	14:10								

PHOTO DOCUMENTATION

WILDLIFE OBSERVATION

WILDLIFE BASED SWING

COMMENTS

Sub-catchment area north of cascade and road - 1st harvest 10/10 - 2nd harvest 10/10 - 3rd harvest 10/10 - 4th harvest 10/10 - 5th harvest 10/10 - 6th harvest 10/10 - 7th harvest 10/10 - 8th harvest 10/10 - 9th harvest 10/10 - 10th harvest 10/10

FISH COLLECTION FORM

(71) TWE L LAKE L1 STREAM L1 WETLAND

10/19/2011 11:51 AM AGENCY: COIL CREW: SP/MT RE-SAMPLE

SITE/METHOD: 6 4.5

FISH SUMMARY:

6 SE 1 NFP

TWE Stream 2 Sample

10/19/2011 11:51 AM AGENCY: COIL CREW: SP/MT RE-SAMPLE

SITE/METHOD: 6 4.5

CHANNEL: M6 17 17 19 18 15 35 24

TEMP: 4.0 °C

COVER:

INIT SHR PS YF (M) NA

FEATURES: C 10/30A

TWE L LAKE L1 STREAM L1 WETLAND

10/19/2011 11:51 AM AGENCY: COIL CREW: SP/MT RE-SAMPLE

SITE/METHOD: 6 4.5

FISH SUMMARY:

6 SE 1 NFP

TWE Stream 2

10/19/2011 11:51 AM AGENCY: COIL CREW: SP/MT RE-SAMPLE

SITE/METHOD: 6 4.5

CHANNEL: M6 17 17 19 18 15 35 24

TEMP: 3.5 °C

COVER:

INIT SHR PS YF (M) NA

FEATURES: C 10/30A

		NET / TRAP SPECIFICATIONS													
C	DATE	SITE	TRAP	HABITAT	SPECIES	SEX	AGE	WEIGHT	LENGTH	WING	TAR	TIP	TAIL	C	REMARKS

GEAR SPECIFICATIONS

ELECTROFISHER SPECIFICATIONS

COMMENTS

HABITAT QUALITY

FS2

101 9 ST U 15:26: photo of animal in trap

WILDLIFE PHOTO DOCUMENTATION

WILDLIFE PHOTO DOCUMENTATION

COMMENTS

c. 6.6 + 6.6 mesh
 1. No entry w/ trap
 - trap set in low veg

56

		NET / TRAP SPECIFICATIONS													
C	DATE	SITE	TRAP	HABITAT	SPECIES	SEX	AGE	WEIGHT	LENGTH	WING	TAR	TIP	TAIL	C	REMARKS
6	15	ST	U	107	60	1.1	0	400	70	6	50	12			

COMMENTS

- nice catch, good flying, but trap sleep - insect exclusion not working

HABITAT QUALITY

- meadow with a lot of grasses
 - no grassy - grasses covering ground

FS2

101 6 ST D 15:26
 101 7 ST U 15:27

WILDLIFE PHOTO DOCUMENTATION

WILDLIFE PHOTO DOCUMENTATION

COMMENTS

c. 6.6 + 6.6 mesh
 - animal must be fixed (with trap)
 - trap set in low veg
 - 6.6 mesh not much better
 - 6.6 mesh

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FISH COLLECTION FORM

LAKE STREAM WETLAND
 RESAMPLE

DATE: 10/9/02
 TIME: 11:17
 COUNTY: Colh
 TOWN: SR
 SITE/METHOD: Cell 35 C

FISH SUMMARY:
 1 Cell 1 NFP 0

FISH COLLECTION FORM

LAKE STREAM WETLAND
 RESAMPLE

DATE: 10/9/02
 TIME: 15:05
 COUNTY: Colh
 TOWN: SR
 SITE/METHOD: Cell 14 C

FISH SUMMARY:
 8 Cell 1 NFP 0

CHANNEL
 MID: MS 7 16 17 15
 TWT: 18 20
 TML: 18 24

COVER
 Type: SWD LWD B U DP OV IV
 AMT: T T S D T T
 LOC: 0 1 (2) 3 4 5
 NFA: U V S D
 U V S D
 G C B R A
 N G S C D M W
 INIT SHR PS YF MF NA

WATER
 TEMP: 10.0 °C
 TML: 18 24

MORPHOLOGY
 D1 B1 B2 B3 D1 D2 D3
 S1 S2 S3 S4 S5
 TM ME IM IR SI ST
 EN CO FC UN N/A

FEATURES
 R F
 R F
 R F

FISH COLLECTION FORM

LAKE STREAM WETLAND
 RESAMPLE

DATE: 10/9/02
 TIME: 15:14
 COUNTY: Colh
 TOWN: SR
 SITE/METHOD: Cell 14 C

FISH SUMMARY:
 8 Cell 1 NFP 0

FISH COLLECTION FORM

LAKE STREAM WETLAND
 RESAMPLE

DATE: 10/9/02
 TIME: 15:16
 COUNTY: Colh
 TOWN: SR
 SITE/METHOD: Cell 14 C

FISH SUMMARY:
 8 Cell 1 NFP 0

CHANNEL
 MID: MS 7 16 17 15
 TWT: 18 20
 TML: 18 24

COVER
 Type: SWD LWD B U DP OV IV
 AMT: T T S D T T
 LOC: 0 1 (2) 3 4 5
 NFA: U V S D
 U V S D
 G C B R A
 N G S C D M W
 INIT SHR PS YF MF NA

WATER
 TEMP: 10.0 °C
 TML: 18 24

MORPHOLOGY
 D1 B1 B2 B3 D1 D2 D3
 S1 S2 S3 S4 S5
 TM ME IM IR SI ST
 EN CO FC UN N/A

FEATURES
 R F
 R F
 R F

NET / TRAP SPECIFICATIONS

101	4	ST	U	15:05																
101	5	ST	D	15:06																

COMMENTS: - mud hob, but back, accessible + checked = no fish found
= NFP
= SB

HABITAT QUALITY: - sleep, fast + no suitable hob

FSZ

PHOTO DOCUMENTATION

101	4	ST	U	15:05
101	5	ST	D	15:06

WILDLIFE

COMMENTS: Side 4m mesh (P.O. 175-3)
- sleep, crawling, brick creek
- little cover, no suitable habitat
→

(SB)

NET / TRAP SPECIFICATIONS

101	8	ST	U	15:00	15:00	77	65	1.2	0	600	70	6	SP	12B
-----	---	----	---	-------	-------	----	----	-----	---	-----	----	---	----	-----

COMMENTS: - sleep, mud, hob, low above d/s → no fish

HABITAT QUALITY: - low stream, little cover

FSZ

PHOTO DOCUMENTATION

101	3	ST	U	14:38
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WILDLIFE

COMMENTS: Side 4m mesh
- 35% good quality of mesh
- visible, well (side) type creek
- sleep, little, no fish

(SB)

FISH COLLECTION FORM

WATER BODY NAME: 7102 LAKE STREAM WETLAND

WATER BODY CODE: _____

WATER BODY ID: _____

PROJECT NAME: _____

DATE: 1/9/91 AGENCY: Col CROW: 40.47 RE-SAMPLE

SITE/METHOD: 9 COMMENTS: _____

FISH SUMMARY:

DATE	SITE/METHOD	SPECIES	STAGE	SEX	AGE	LENGTH	WEIGHT	REMARKS

WATER BODY NAME: 7101 LAKE STREAM WETLAND

WATER BODY CODE: _____

WATER BODY ID: _____

PROJECT NAME: _____

DATE: 1/9/91 AGENCY: Col CROW: 70.14 RE-SAMPLE

CHANNEL: ms GRADIENT: 40 °C WATER TEMPERATURE: 40 °C pH: 7.1

WIND: ms 0.1 0.5 0.1 0.3 0.1 0.3 0.1 0.3 0.5 0.1 0.1 0.1

NO. VISC. CH. DRY/INF. DW TRUB.

COVER:

SWD	LWD	B	U	DP	OV	IV	SWD	LWD	B	U	DP	OV	IV
T	N	N	T	D	S	N							

MOBILIZATION:

01	B1	B2	B3	D1	D2	D3	01	B1	B2	B3	D1	D2	D3

INIT SHR PS YF MF NA

FEATURES:

C 1.70 R.F. 76.7 76.7 76.7 76.7

WATER BODY NAME: 7101 LAKE STREAM WETLAND

WATER BODY CODE: _____

WATER BODY ID: _____

PROJECT NAME: _____

DATE: 1/9/91 AGENCY: Col CROW: 50.4 RE-SAMPLE

SITE/METHOD: 10 COMMENTS: _____

FISH SUMMARY:

DATE	SITE/METHOD	SPECIES	STAGE	SEX	AGE	LENGTH	WEIGHT	REMARKS

WATER BODY NAME: Flow Out #2 = TRB LAKE STREAM WETLAND

WATER BODY CODE: _____

WATER BODY ID: _____

PROJECT NAME: _____

DATE: 1/9/91 AGENCY: Col CROW: 510.14 RE-SAMPLE

CHANNEL: ms GRADIENT: 40 °C WATER TEMPERATURE: 40 °C pH: 7.1

WIND: ms 0.1 0.5 0.1 0.3 0.1 0.3 0.1 0.3 0.5 0.1 0.1 0.1

NO. VISC. CH. DRY/INF. DW TRUB.

COVER:

SWD	LWD	B	U	DP	OV	IV	SWD	LWD	B	U	DP	OV	IV
T	N	T	D	S	N								

MOBILIZATION:

01	B1	B2	B3	D1	D2	D3	01	B1	B2	B3	D1	D2	D3

INIT SHR PS YF MF NA

FEATURES:

C 16 R.F. 76.7 76.7 76.7 76.7

ELECTROFISHER SPECIFICATIONS	NET/TRAP SPECIFICATIONS												
	C	1	2	3	4	5	6	7	8	9	10	11	12
GEAR SPECIFICATIONS													
ELECTROFISHER SPECIFICATIONS	9	EP	1	1430	1435	138	50	0.4	0	500	60	8	SR 12F
COMMENTS													

ELECTROFISHER SPECIFICATIONS	NET/TRAP SPECIFICATIONS												
	C	1	2	3	4	5	6	7	8	9	10	11	12
HABITAT QUALITY	12/29/11 → 12/30/11												
FSZ	□												
PHOTO DOCUMENTATION	150	25	ST	BD	13:41	= recorded gear set heavy ... habitat at end							
	101		ST			soak #							
	101	2	ST	BD	13:47								
					13:48								
WILDLIFE OBSERVATION													
COMMENTS	<p>0 Site = main 4 road way = 7m from main</p> <p>- 2570 gully, truck = on across</p> <p>- 70m - 4m - 10m</p> <p>(50) - 10m</p> <p>main (50)</p>												

ELECTROFISHER SPECIFICATIONS	NET/TRAP SPECIFICATIONS												
	C	1	2	3	4	5	6	7	8	9	10	11	12
GEAR SPECIFICATIONS													
ELECTROFISHER SPECIFICATIONS	10	GT	1	13	13:41	109	55	0.3	0	500	60	4	SR 12F
COMMENTS	<p>0 = would film presence to record haul, 75 m</p> <p>2m main</p>												

ELECTROFISHER SPECIFICATIONS	NET/TRAP SPECIFICATIONS												
	C	1	2	3	4	5	6	7	8	9	10	11	12
HABITAT QUALITY	- None - too steep for fish use												
FSZ	□												
PHOTO DOCUMENTATION	100	20	ST	BD	10:43	25m x 4 4m main							
WILDLIFE OBSERVATION													
COMMENTS	<p>0 Site = main 4 road way = 200m each</p> <p>- 2570 gully, truck = on across</p> <p>no sink habitat</p> <p>(50)</p>												

DATE: 11/09/2011 TIME: 10:11 AM COLLECTOR: G. M. COLL. PERMIT: 501 MS RE-SAMPLE:

SITE/METHOD: 11 Cell 4 C

FISH SUMMARY: 11 Cell 1 NEP 0

DATE: 11/09/2011 TIME: 11:50 AM COLLECTOR: G. M. COLL. PERMIT: 501 MS RE-SAMPLE:

SITE/METHOD: 12 Cell 1 NEP 0

CHANNEL: 11 65 75 76 67 61 8 4.0 °C pS/cm
 14 55 0.1 12 61 54 8 110 T M L C
 16 05 0.1 05 08 02 7 8

COVER: Type SWD LWD B U DP OV IV AMT T S N D N N LOC 0 1 2 3 4 5 C1 C2 C3 C4 C5 S1 S2 S3 S4 S5

INIT SHR PS YF MFA

DATE: 11/09/2011 TIME: 12:00 PM COLLECTOR: G. M. COLL. PERMIT: 501 MS RE-SAMPLE:

SITE/METHOD: 12 Cell 1 RB A 3 125 160 R - v. low abundance

FISH SUMMARY: 12 Cell 1 RB A 3 125 160 R - v. low abundance

DATE: 11/09/2011 TIME: 12:15 PM COLLECTOR: G. M. COLL. PERMIT: 501 MS RE-SAMPLE:

SITE/METHOD: 13 Cell 1 RB A 3 125 160 R - v. low abundance

CHANNEL: 13 11 17 14 15 11 C 4.0 °C pS/cm
 1 14 14 12 14 08 34 27 1 T M L C
 16 05 0.1 05 08 02 7 8

COVER: Type SWD LWD B U DP OV IV AMT T S N D N N LOC 0 1 2 3 4 5 C1 C2 C3 C4 C5 S1 S2 S3 S4 S5

INIT SHR PS YF MFA

FEATURES: C 7 1 9 REID F 21 17 17 - 247 gradient (sloped) v. low abundance

GEAR SPECIFICATIONS													
NET #	TRAP #	TRAP TYPE	TRAP SIZE	TRAP COLOR	TRAP WEIGHT	TRAP LENGTH	TRAP WIDTH	TRAP HEIGHT	TRAP VOLUME	TRAP SURFACE AREA	TRAP PERIMETER	TRAP AREA	TRAP PERCENTAGE
11	EF1	1	10x40	10.58	87	210	0.3	0	600	60	4	50	12.6

COMMENTS: - Power caught by in corner of trap area.

HABITAT QUALITY				
FSZ				
PHOTO DOCUMENTATION				
DATE	TIME	LOCATION	PHOTO #	DESCRIPTION
100	72	ST	U	11:51 - Mac in photo
100	73	ST	D	11:51 - SP - male black CP in photo
100	71			= RB photo (transcribed)

COMMENTS: 0.54 - from north to 1st in 11:51 (11:51) P.O.T.E. = 11:52
 RB photo @ 580m = 7:45
 - all birds in island
 - 1 male rufous, 1 male black in island

NET / TRAP SPECIFICATIONS													
NET #	TRAP #	TRAP TYPE	TRAP SIZE	TRAP COLOR	TRAP WEIGHT	TRAP LENGTH	TRAP WIDTH	TRAP HEIGHT	TRAP VOLUME	TRAP SURFACE AREA	TRAP PERIMETER	TRAP AREA	TRAP PERCENTAGE
12	EF1	1	11x40	12.10	682	700	6	0	700	60	6	50	12.5

COMMENTS: RB 11:00 - 11:09 RB 11:00 on TIKK, P1

HABITAT QUALITY				
FSZ				
PHOTO DOCUMENTATION				
DATE	TIME	LOCATION	PHOTO #	DESCRIPTION
100	74	ST	U	12:17 inside in corner

COMMENTS: 0.54 - from north
 gradient = 24% of north
 - steep CP - much from at corner
 bird in possible to see

WATER COLLECTION FORM

DATE: 1979.8.11.10.210

WATER BODY: TIKL

WATER TYPE: LAKE STREAM WETLAND

WATER BODY CODE: 100

WATER BODY NAME: TIKL

WATER BODY NUMBER: 13

WATER BODY TYPE: C

WATER BODY STATUS: RE-SAMPLE

WATER BODY COMMENTS: EF 1 4.0

WATER BODY SUMMARY: 13 EF 1 1 NFP 0

WATER COLLECTION FORM

DATE: 1979.8.11.10.210

WATER BODY: TIKL

WATER TYPE: LAKE STREAM WETLAND

WATER BODY CODE: 100

WATER BODY NAME: TIKL

WATER BODY NUMBER: 14

WATER BODY TYPE: C

WATER BODY STATUS: RE-SAMPLE

WATER BODY COMMENTS: EF 1 4.0

WATER BODY SUMMARY: 14 EF 1 1 NFP 0

WATER COLLECTION FORM

DATE: 1979.8.11.10.210

WATER BODY: TIKL

WATER TYPE: LAKE STREAM WETLAND

WATER BODY CODE: 100

WATER BODY NAME: TIKL

WATER BODY NUMBER: 14

WATER BODY TYPE: C

WATER BODY STATUS: RE-SAMPLE

WATER BODY COMMENTS: EF 1 4

WATER BODY SUMMARY: 14 EF 1 1 NFP 0

WATER COLLECTION FORM

DATE: 1979.8.11.10.210

WATER BODY: TIKL

WATER TYPE: LAKE STREAM WETLAND

WATER BODY CODE: 100

WATER BODY NAME: TIKL

WATER BODY NUMBER: 15

WATER BODY TYPE: C

WATER BODY STATUS: RE-SAMPLE

WATER BODY COMMENTS: EF 1 4.0

WATER BODY SUMMARY: 15 EF 1 1 NFP 0

C	NET / TRAP SPECIFICATIONS											
	DATE	TIME IN	TIME OUT	TIME	TIME	TIME	TIME	TIME	TIME	TIME	TIME	TIME
13	11/11/19	161	165	1.5	0	11	6	SR	127			

Comments: Fair rearing hab in below bigger powder pool hole has spawning or overwinter

HABITAT QUALITY
Fair rearing hab in below bigger powder pool hole has spawning or overwinter
S4 for 40 m then S6

PHOTO DOCUMENTATION
100 18 1600
100 19 1601

WILDLIFE

COMMENTS
c creel from mouth w/s
@ 40m w/s from mouth
creel records 21% chd
above little invertebrate
hab. therefore host of this
point is S6

C	NET / TRAP SPECIFICATIONS											
	DATE	TIME IN	TIME OUT	TIME	TIME	TIME	TIME	TIME	TIME	TIME	TIME	TIME
14	11/11/19	162	170	1.0	0	500	60	6	SR	127		

HABITAT QUALITY
No fish hab

PHOTO DOCUMENTATION
100 17 1539

WILDLIFE

COMMENTS
c creel surveyed w/s from
mouth
12m w/s from mouth shows
mud - exposed area
shallow trickle overtimes
S6

SITE CARD
Stream #1 = TIKM

DATE: 1/19/81 10:20
TIME: 16:30
PROJECT: 1616
SAMPLER: SR, MT
SAMPLER NO: FT
YR NO: 1

CHANNEL: HC 1.0 2.1 2.4 1.1 1.6 1.4
HC 1.0 2.1 2.4 1.1 1.6 1.4
PS 0.5 0.6 0.5 0.8 0.4
PS 0.5 0.6 0.5 0.8 0.4

WATER: 4.0 °C
pH: 7.5
T M L 2.5

COVER: Type SWD LWD B U DP OV IV
AMT T T T D S S N
LOC T T T D S S N

FEATURES: R F
R F
R F

FISH COLLECTION FORM
TIKM □ LAKE □ STREAM □ WETLAND

DATE: 1/19/81 10:20
PROJECT: 1616
SAMPLER: SR, MT
RE-SAMPLE: □

SITE / METHOD: 16 EF 1 NFO 0

FISH SUMMARY:

SITE CARD
Stream #1 = TIKM

DATE: 1/19/81 10:20
TIME: 17:30
PROJECT: 1616
SAMPLER: SR, MT
SAMPLER NO: FT
YR NO: 1

CHANNEL: HC 1.4 1.6 1.7
HC 1.4 1.6 1.7
PS 0.3 0.4 0.3
PS 0.3 0.4 0.3

WATER: 4.0 °C
pH: 7.5
T M L 2.0

COVER: Type SWD LWD B U DP OV IV
AMT S T D S S T N
LOC S T D S S T N

FEATURES: R F
R F
R F

FISH COLLECTION FORM
TIKM □ LAKE □ STREAM □ WETLAND

DATE: 1/19/81 10:20
PROJECT: 1616
SAMPLER: SR, MT
RE-SAMPLE: □

SITE / METHOD: 17 EF 1 NFO 0

FISH SUMMARY:

HABITAT QUALITY
 Good: reaching & reentering in deep pool - enticement
 web vs spawning for RB → lack of suitable substrate
 Hab isolated above falls in Little C.

FSZ 11

PHOTO DOCUMENTATION
 100 1A ST 40 1333
 100 1B ST 40 1334

WILDLIFE OBSERVATIONS
 COMMENTS: c site - entire reach -
 sort of boggy - not with increased
 SD @ 30 m low water stage
 fish passage

NET/TRAP SPECIFICATIONS

NO.	DATE IN	DATE OUT	TIME IN	TIME OUT	TYPE	LENGTH	WIDTH	AREA	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
16	EF	1	1340	1355	ST	375	300	1.5	0	500	90	6	SR	RE

HABITAT QUALITY
 Poor fish hab - almost entire flow underground
 (95%) - few exposed channel sections → good rearing
 but substrate fin inhibits this reach. fast flow & lack
 of spawning hab further restricts potential use by RB

FSZ 12

PHOTO DOCUMENTATION
 100 4 ST 40 1320

WILDLIFE OBSERVATIONS
 COMMENTS: c 100m dia down rd Xing
 - PE reaches - 120m to 420
 = 300m up from
 mouth

NET/TRAP SPECIFICATIONS

NO.	DATE IN	DATE OUT	TIME IN	TIME OUT	TYPE	LENGTH	WIDTH	AREA	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
17	EE11	1	1320	1323	ST	47	30	1.6	0	600	60	6	SR	RE

COMMENTS: 95% underground flow - lack of sufficient fish hab

HABITAT QUALITY
 Poor fish hab - almost entire flow underground
 (95%) - few exposed channel sections → good rearing
 but substrate fin inhibits this reach. fast flow & lack
 of spawning hab further restricts potential use by RB

FSZ 13

PHOTO DOCUMENTATION
 100 4 ST 40 1320

WILDLIFE OBSERVATIONS
 COMMENTS: c 100m dia down rd Xing
 - PE reaches - 120m to 420
 = 300m up from
 mouth

NET/TRAP SPECIFICATIONS

NO.	DATE IN	DATE OUT	TIME IN	TIME OUT	TYPE	LENGTH	WIDTH	AREA	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
17	EE11	1	1320	1323	ST	47	30	1.6	0	600	60	6	SR	RE

COMMENTS: 95% underground flow - lack of sufficient fish hab

HABITAT QUALITY
 Poor fish hab - almost entire flow underground
 (95%) - few exposed channel sections → good rearing
 but substrate fin inhibits this reach. fast flow & lack
 of spawning hab further restricts potential use by RB

FSZ 14

PHOTO DOCUMENTATION
 100 4 ST 40 1320

WILDLIFE OBSERVATIONS
 COMMENTS: c 100m dia down rd Xing
 - PE reaches - 120m to 420
 = 300m up from
 mouth

NET/TRAP SPECIFICATIONS

NO.	DATE IN	DATE OUT	TIME IN	TIME OUT	TYPE	LENGTH	WIDTH	AREA	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
17	EE11	1	1320	1323	ST	47	30	1.6	0	600	60	6	SR	RE

COMMENTS: 95% underground flow - lack of sufficient fish hab

SITE CARD

146-16-6 R.P. Rd (A. Borden) T.T. (State 761)

19

CHANNEL: meth: NA, T: 5.2, W: 7.3, C: NA, S: 3.2, TMLC: TMLC

WATER: TMLC

MOORPHOLOGY: 01 B1 B2 B3 D1 D2 D3

COVER: Type: SWD LWD B U DP OV IV, AMT: 0 1 2 3 4 5, LOC: 0 1 2 3 4 5

FEATURES: R F, R F, R F, R F

19

CHANNEL: meth: NA, T: 11.5, W: 19.2, C: NA, S: 7.2, TMLC: TMLC

WATER: TMLC

MOORPHOLOGY: 01 B1 B2 B3 D1 D2 D3

COVER: Type: SWD LWD B U DP OV IV, AMT: 0 1 2 3 4 5, LOC: 0 1 2 3 4 5

FEATURES: R F, R F, R F, R F

19

CHANNEL: meth: NA, T: 11.5, W: 19.2, C: NA, S: 7.2, TMLC: TMLC

WATER: TMLC

MOORPHOLOGY: 01 B1 B2 B3 D1 D2 D3

COVER: Type: SWD LWD B U DP OV IV, AMT: 0 1 2 3 4 5, LOC: 0 1 2 3 4 5

FEATURES: R F, R F, R F, R F

20

CHANNEL: meth: NA, T: 5.5, W: 7.2, C: NA, S: 3.2, TMLC: TMLC

WATER: TMLC

MOORPHOLOGY: 01 B1 B2 B3 D1 D2 D3

COVER: Type: SWD LWD B U DP OV IV, AMT: 0 1 2 3 4 5, LOC: 0 1 2 3 4 5

FEATURES: R F, R F, R F, R F

HABITAT QUALITY

FSZ

PHOTO DOCUMENTATION

2	3	95	DN	11:27	no channel
---	---	----	----	-------	------------

WILDLIFE

COMMENTS

C	gib = 100% in this area	C	100%
	- creek channel 20m wide		
	- 10m deep		
	- 100% in this area		

HABITAT QUALITY

FSZ

PHOTO DOCUMENTATION

21	15	97	V	11:45	
21	16	97	V	11:45	

WILDLIFE

COMMENTS

C	- gib. 100%	C	100%
	- deep creek in pool		
	- deep bank down with bank		
	- more in 100m than elsewhere		
	- good water		

NET / TRAP SPECIFICATIONS

C	DATE	W/D	W/D	W/D	DATE	TIME IN	DATE OUT	TIME OUT	NET TYPE	LENGTH	DEPTH	NO. BEES	NO. WASPS	NO. ANT	NO. BEE
	19	GI			11:45	11:45	11:45	11:45	0.7	4.0	1.0	3			

COMMENTS

1. barely had probe into channel for 5m, with 10m down

- no gib. here, no water

HABITAT QUALITY

FSZ

PHOTO DOCUMENTATION

21	17	97	V	12:47	
21	18	97	V	12:49	

WILDLIFE

COMMENTS

C	Gib. 100%	C	100%
	- channel 20m wide		
	- water 10m deep		
	- collection of water down left		
	- gib. 100%		
	- good water		

WATER COLLECTION FORM

LAKE STREAM WETLAND

WATERSHIP NAME: [] WATERSHIP CODE: [] WATERSHIP AREA: [] SITE LAKE AND ATTACHED: Y N

PROJECT ID: [] AGENCY: [] DATE: [] RE-SAMPLE:

SITE / METHOD: 20

HSR COMPANY: []

WATERSHIP NAME: [] WATERSHIP CODE: [] WATERSHIP AREA: [] SITE LAKE AND ATTACHED: Y N

PROJECT ID: [] AGENCY: [] DATE: [] RE-SAMPLE:

SITE / METHOD: 21

HSR COMPANY: []

CHANNEL: []

WATER: []

COVER: []

FEATURES: []

WATERSHIP NAME: [] WATERSHIP CODE: [] WATERSHIP AREA: [] SITE LAKE AND ATTACHED: Y N

PROJECT ID: [] AGENCY: [] DATE: [] RE-SAMPLE:

SITE / METHOD: 22

HSR COMPANY: []

CHANNEL: []

WATER: []

COVER: []

FEATURES: []

WATERSHIP NAME: [] WATERSHIP CODE: [] WATERSHIP AREA: [] SITE LAKE AND ATTACHED: Y N

PROJECT ID: [] AGENCY: [] DATE: [] RE-SAMPLE:

SITE / METHOD: 22

HSR COMPANY: []

CHANNEL: []

WATER: []

COVER: []

FEATURES: []

ISSUE SUMMARY:

22	11	1.5	0
22	11	1.5	0

NET / TRAP SPECIFICATIONS

GEAR SPECIFICATIONS		DATE	TIME	LOCATION	WIND DIRECTION	WIND SPEED	TEMPERATURE	HUMIDITY	WIND DIRECTION	WIND SPEED	TEMPERATURE	HUMIDITY

ELECTRONSER SPECIFICATIONS

COMMENTS

HABITAT QUALITY

701C

PROTODOCUMENTATION

DATE	TIME	LOCATION	COMMENTS
			- wetland / on shore

WILDLIFE

DATE	WILDLIFE OBSERVATIONS	DATE	WILDLIFE OBSERVATIONS
C 8/21	in wetland 300 m dist from for set of traps - entire wetland is squishing, muddy Swamp with no visibility of fish reaches - water level is 2 J, but ca cannot in 1/2 time spots	C	- dense thicket in wetland with no ducks or other birds / - many fish seen but at least - occasional ibis

COMMENTS

HABITAT QUALITY

702

PROTODOCUMENTATION

DATE	TIME	LOCATION	COMMENTS
5 7/9	5x	D 9 49	
5 7/20	1	V 9:50	

WILDLIFE

DATE	WILDLIFE OBSERVATIONS	DATE	WILDLIFE OBSERVATIONS
	- some water visible		

COMMENTS

NA, but water, marginal habitat for waterfowl
no grass - all *Lythrum virginicum*
no water - shallow

NET / TRAP SPECIFICATIONS

GEAR SPECIFICATIONS		DATE	TIME	LOCATION	WIND DIRECTION	WIND SPEED	TEMPERATURE	HUMIDITY	WIND DIRECTION	WIND SPEED	TEMPERATURE	HUMIDITY

ELECTRONSER SPECIFICATIONS

COMMENTS

FISH COLLECTION FORM

LAKE STREAM WETLAND
 DATE: 10/17/96 AGENCY: 606 CREW: 58158
 SITE/LAKE CARD ATTACHED: Y N
 RE-SAMPLE:

SITE/METHOD

23

FISH SUMMARY

23	6-11	NFC
23	1-11	2 NFC

FISH COLLECTION FORM

LAKE STREAM WETLAND
 DATE: 10/17/96 AGENCY: 606 CREW: 58158
 SITE/LAKE CARD ATTACHED: Y N
 RE-SAMPLE:

SITE/METHOD

24

FISH SUMMARY

24	6-11	NFC
24	1-11	2 NFC

FISH COLLECTION FORM

LAKE STREAM WETLAND
 DATE: 10/17/96 AGENCY: 606 CREW: 58158
 SITE/LAKE CARD ATTACHED: Y N
 RE-SAMPLE:

SITE/METHOD

24

FISH SUMMARY

24	6-11	NFC
24	1-11	2 NFC

FISH COLLECTION FORM

LAKE STREAM WETLAND
 DATE: 10/17/96 AGENCY: 606 CREW: 58158
 SITE/LAKE CARD ATTACHED: Y N
 RE-SAMPLE:

SITE/METHOD

25

FISH SUMMARY

25	6-11	NFC
25	1-11	2 NFC

NET / TRAP SPECIFICATIONS													
DATE	TIME	TRAP	TIME IN	TIME OUT	NO. OF MICE	NO. OF RATS	NO. OF SHREWS	NO. OF BATS	NO. OF OTHERS	NO. OF BIRDS	NO. OF BUTTERFLIES	NO. OF BEES	NO. OF WASPS
23	6:11	1			194	170	1.8	0	700	60	6	FR	12K
23	1:2	2			260	170	1.8	0	600	70	6	"	"

COMMENTS:
 - see trap caught by rat - fish line to "side" of trap
 - caught 1 rat, 1 shrew, 1 mouse, 1 bat, 1 bird, 1 butterfly, 1 bee, 1 wasp
 on 23-24-83

NET / TRAP SPECIFICATIONS													
DATE	TIME	TRAP	TIME IN	TIME OUT	NO. OF MICE	NO. OF RATS	NO. OF SHREWS	NO. OF BATS	NO. OF OTHERS	NO. OF BIRDS	NO. OF BUTTERFLIES	NO. OF BEES	NO. OF WASPS
24	6:1	1	10:00	11:30	144	1983	3.5	0	700	60	6		

COMMENTS:
 - caught 1 rat (left) right up to ground / side rock heap (with side)
 CW 69 11%

NET / TRAP SPECIFICATIONS													
DATE	TIME	TRAP	TIME IN	TIME OUT	NO. OF MICE	NO. OF RATS	NO. OF SHREWS	NO. OF BATS	NO. OF OTHERS	NO. OF BIRDS	NO. OF BUTTERFLIES	NO. OF BEES	NO. OF WASPS
24	6:1	1			227	190	0.5	0	700	60	6		
24	6:2	2			190	190	0.5	0	700	60	6		

COMMENTS:
 - see trap caught by rat - fish line to "side" of trap
 - caught 1 rat, 1 shrew, 1 mouse, 1 bat, 1 bird, 1 butterfly, 1 bee, 1 wasp
 on 23-24-83

NET / TRAP SPECIFICATIONS													
DATE	TIME	TRAP	TIME IN	TIME OUT	NO. OF MICE	NO. OF RATS	NO. OF SHREWS	NO. OF BATS	NO. OF OTHERS	NO. OF BIRDS	NO. OF BUTTERFLIES	NO. OF BEES	NO. OF WASPS
R25	139	148											
	135	141											
	142												
	147												
	160												
	167												
	151												
	157												
	160												
	139												
25	6:1	1	10:00	11:30	144	1983	3.5	0	700	60	6		

COMMENTS:
 - caught R25 (left) right up to ground / side rock heap (with side)
 CW 69 11%

SITE CARD

11-11-77 12100 COLG SR SB 160 114

CHANNEL: 11-11-77 12100 COLG SR SB 160 114

TEMP: 7.0 °C

COVER: Type SWD LWD B U OP OV IV AMT T T D N S N N LOC N F A C E U V S O F G C B R A N G S C D M W INIT SHR PS YF MF NA

FEATURES: C 42160 RS F17 11-93: CAS, codes

11-11-77 12100 COLG SR SB 160 114

WATER: LAKE STREAM WETLAND

RE-SAMPLE

SITE/METHOD: 11-11-77 12100 COLG SR SB 160 114

FISH SUMMARY: 76 cc 1 NFP 76 cc 2 NFP

11-11-77 12100 COLG SR SB 160 114

CHANNEL: 11-11-77 12100 COLG SR SB 160 114

TEMP: 5.5 °C

COVER: Type SWD LWD B U OP OV IV AMT T T D N S N N LOC N F A C E U V S O F G C B R A N G S C D M W INIT SHR PS YF MF NA

FEATURES: C 42160 RS F17 11-93: CAS, codes

11-11-77 12100 COLG SR SB 160 114

WATER: LAKE STREAM WETLAND

RE-SAMPLE

SITE/METHOD: 11-11-77 12100 COLG SR SB 160 114

FISH SUMMARY: 27 cc 1 NFP 27 cc 2 NFP

HABITAT QUALITY

NA - no fish see, but eggs nesting in pods below concrete/falls and under boulders (large)
- no spawning

FSZ

PHOTO DOCUMENTATION

5	18	ST	D	12:15
---	----	----	---	-------

WILDLIFE OBSERVATIONS

GROUP

WILDLIFE OBSERVATIONS

COMMENTS

Substrate is eroding break
It 983 m from road, young
- one egg pod hole but hole is
inaccessible to cement - only 2m
high, 2m wide hole
pod hole under pod

55 NEP

NET/TRAP SPECIFICATIONS

GEAR SPECIFICATIONS

ELECTROFISHER SPECIFICATIONS

76	CE1	1	11.30	11.45	11.5	12.0	30	0	600	70	11	SR	120
76	"	2	11.45	11.5	12.0				700	60	6		

COMMENTS

- gear, comments, etc.

HABITAT QUALITY

FSZ

PHOTO DOCUMENTATION

21	13	ST	U	9:17
21	14	ST	U	9:18

WILDLIFE OBSERVATIONS

GROUP

WILDLIFE OBSERVATIONS

COMMENTS

Sub - 5m north to 710m up
- photo of 100m in
- had material - debris, also, sticks,
debris - trap
- photo with 2 sub - gear - data
- photo of 100m above 7.11 - 7

- no fish seen at 0:55
96

NET/TRAP SPECIFICATIONS

GEAR SPECIFICATIONS

ELECTROFISHER SPECIFICATIONS

27	CE1	1	10.30	10.40	10.5	10.9	60	0	600	60	11	SR	120
27	CE1	2	10.40	10.50	10.5	11.0			700	60	6		

COMMENTS

gear, comments, etc.

FISH COLLECTION FORM

Stream Name: Umanas (local) T14

Watershed Code: 18281960095800190002390

Project ID: 3 REACH: 29 SITE: 29 AGENCY: CO16 CREW: SR MT

DATE: 19990715 TIME: 13:20 ADDRESS: CO16 INCREASING: SR MTD: MT ACCESS: V4

CHANNEL: mead CHANNEL WIDTH (m): 25.27 GRADIENT: 0.1 FLOOD SIGNS: mead REG. #:

SWIFTED WIDTH (m): 1 TEMPERATURE: 7.0 COND.: mead pH: mead

BER POOL DEPTH (m): 0.25 STAGE: L M H No. Vis. Ch. DW Trib. BED MATERIAL: Dominant: Gr Subdom.: S

COVER: SWD LWD B C DP OV IV CROWN CLOSURE: mead DISTURBANCE INDICATORS: mead PATTERN: mead ISLANDS: mead BARS: mead COUPLING: mead CONFINEMENT: mead

FEATURES: mead

SITE CARD

Stream Name: Umanas (local) T14

Watershed Code: 18281960095800190002390

Project ID: 3 REACH: 29 SITE: 29 AGENCY: CO16 CREW: SR MT

DATE: 19990715 TIME: 13:20 ADDRESS: CO16 INCREASING: SR MTD: MT ACCESS: V4

CHANNEL: mead CHANNEL WIDTH (m): 25.27 GRADIENT: 0.1 FLOOD SIGNS: mead REG. #:

SWIFTED WIDTH (m): 1 TEMPERATURE: 7.0 COND.: mead pH: mead

BER POOL DEPTH (m): 0.25 STAGE: L M H No. Vis. Ch. DW Trib. BED MATERIAL: Dominant: Gr Subdom.: S

COVER: SWD LWD B C DP OV IV CROWN CLOSURE: mead DISTURBANCE INDICATORS: mead PATTERN: mead ISLANDS: mead BARS: mead COUPLING: mead CONFINEMENT: mead

FEATURES: mead

FISH COLLECTION FORM

Stream Name: Umanas (local) T14

Watershed Code: 18281960095800190002390

Project ID: 3 REACH: 5 FISH PERMIT #:

DATE: 19990715 AGENCY: CO16 CREW: SR MT

COVER: mead

GEAR SPECIFICATIONS: mead

COMMENTS: mead

SITE CARD

Stream Name: Umanas (local) T14A

Watershed Code: 18281960095800190002390

Project ID: 3 REACH: 30 SITE: 30 AGENCY: CO16 CREW: SR MT

DATE: 19990715 TIME: 13:50 ADDRESS: CO16 INCREASING: SR MTD: MT ACCESS: P4

CHANNEL: mead CHANNEL WIDTH (m): mead GRADIENT: mead FLOOD SIGNS: mead REG. #:

SWIFTED WIDTH (m): mead TEMPERATURE: mead COND.: mead pH: mead

BER POOL DEPTH (m): mead STAGE: L M H No. Vis. Ch. DW Trib. BED MATERIAL: Dominant: mead Subdom.: mead

COVER: SWD LWD B C DP OV IV CROWN CLOSURE: mead DISTURBANCE INDICATORS: mead PATTERN: mead ISLANDS: mead BARS: mead COUPLING: mead CONFINEMENT: mead

FEATURES: mead

C	NET / TRAP SPECIFICATIONS												
	DATE			TIME			LOCATION			EQUIPMENT			NOTES

HABITAT QUALITY	HABITAT TYPE	ZONE	QUALITY	SPECIES	COMMENTS
	SPAWNING HABITAT	P	G	BR	
	SPAWNING HABITAT		G		
	OVERWINTER HABITAT		G		
	COVER		G		
	OTHER				

PHOTO DOCUMENTATION	ROLL	FRAME	SEC	LEN	DIR	COMMENTS
	2	12	ST	U		
	2	13	ST	D		

WILDLIFE	GROUP	WILDLIFE OBSERVATIONS	GROUP	WILDLIFE OBSERVATIONS
		at end of Rip rd (no Xing yet) - nice rip rd - some gravel pockets for spawning - good grazing conditions should - present adwd - sp hab → caution		good spawning grounds as from prior good condition ST confirmed

INDIVIDUAL FISH DATA													
C	DATE	MTO/MOL	SN	SPEC	LENGTH	WEIGHT	SEX	MATURE	PREVIOUS AGE	YOUV	GENET	COMMENTS	PHOTO
	8/11			RG	50								R_F_
													R_F_
													R_F_
													R_F_
													R_F_
													R_F_
													R_F_
													R_F_
													R_F_
													R_F_
													R_F_
													R_F_
													R_F_
													R_F_
													R_F_

HABITAT QUALITY	HABITAT TYPE	ZONE	QUALITY	SPECIES	COMMENTS
	SPAWNING HABITAT			N/A	
	SPAWNING HABITAT				
	OVERWINTER HABITAT				
	COVER				
	OTHER				

PHOTO DOCUMENTATION	ROLL	FRAME	SEC	LEN	DIR	COMMENTS
						N/A

WILDLIFE	GROUP	WILDLIFE OBSERVATIONS	GROUP	WILDLIFE OBSERVATIONS
		Site 2 Low water - no channel present - just squishy gravel - out a stream		N/A

SITE CARD

Stream Name: Unamed Reach: T143

Watershed Code: _____

Project ID: 1199107115 Date: 11/20/09 Agency: COIL Crew: SR MT

Channel: 1 Gradient: _____ Flood Signs: _____

Channel Width: _____ Wetted Width: _____ Bedrock Depth: _____

Stage: L M H No Vts. Ch. Int. DW Trib.

COVER

SWD	LWD	B	C	OP	OV	IV	CROWN CLOSURE	DISTURBANCE INDICATORS
							0 1 2 3 4 5	01 B1 B2 B3 D1 D2 D3 C1 C2 C3 C4 C5 S1 S2 S3 S4 S5
NFAU				INSTREAM VEGETATION				PATTERN
CE				NAMV				TM ME IM IR SI ST
UVSO				UVSO				ISLANDS
FGCBRA				FGCBRA				MARKS
NGSCDMW				NGSCDMW				COUPLING
INIT SHR PS YF MF				INIT SHR PS YF MF				CONFINEMENT
EN CO FC OC UN N/A								

FEATURES

NO.	MAP #	NO.	TYPE	DATE	PHOTO	COMMENTS
1						R_F
2						R_F
3						R_F
4						R_F

SITE CARD

Stream Name: Unamed Reach: T15

Watershed Code: _____

Project ID: 1199107115 Date: 11/20/09 Agency: COIL Crew: SR MT

Channel: 1 Gradient: _____ Flood Signs: _____

Channel Width: 11 12 13 14 Wetted Width: 4 4 4 4 Bedrock Depth: 1.0 1.0 1.0 1.0

Stage: L M H No Vts. Ch. Int. DW Trib.

COVER

SWD	LWD	B	C	OP	OV	IV	CROWN CLOSURE	DISTURBANCE INDICATORS
							0 1 2 3 4 5	01 B1 B2 B3 D1 D2 D3 C1 C2 C3 C4 C5 S1 S2 S3 S4 S5
NFAU				INSTREAM VEGETATION				PATTERN
CE				NAMV				TM ME IM IR SI ST
UVSO				UVSO				ISLANDS
FGCBRA				FGCBRA				MARKS
NGSCDMW				NGSCDMW				COUPLING
INIT SHR PS YF MF				INIT SHR PS YF MF				CONFINEMENT
EN CO FC OC UN N/A								

FEATURES

NO.	MAP #	NO.	TYPE	DATE	PHOTO	COMMENTS
1						R_F
2						R_F
3						R_F
4						R_F

SITE CARD

Stream Name: Unamed Reach: T15

Watershed Code: _____

Project ID: 1199107115 Date: 11/15/09 Agency: COIL Crew: SR MT

Channel: 1 Gradient: _____ Flood Signs: _____

Channel Width: 11 12 13 14 Wetted Width: 4 4 4 4 Bedrock Depth: 1.0 1.0 1.0 1.0

Stage: L M H No Vts. Ch. Int. DW Trib.

COVER

SWD	LWD	B	C	OP	OV	IV	CROWN CLOSURE	DISTURBANCE INDICATORS
							0 1 2 3 4 5	01 B1 B2 B3 D1 D2 D3 C1 C2 C3 C4 C5 S1 S2 S3 S4 S5
NFAU				INSTREAM VEGETATION				PATTERN
CE				NAMV				TM ME IM IR SI ST
UVSO				UVSO				ISLANDS
FGCBRA				FGCBRA				MARKS
NGSCDMW				NGSCDMW				COUPLING
INIT SHR PS YF MF				INIT SHR PS YF MF				CONFINEMENT
EN CO FC OC UN N/A								

FEATURES

NO.	MAP #	NO.	TYPE	DATE	PHOTO	COMMENTS
1						R_F
2						R_F
3						R_F
4						R_F

SITE CARD

Stream Name: Unamed Reach: T16

Watershed Code: _____

Project ID: 1199107115 Date: 11/15/09 Agency: COIL Crew: SR MT

Channel: 1 Gradient: _____ Flood Signs: _____

Channel Width: 11 12 13 14 Wetted Width: 4 4 4 4 Bedrock Depth: 1.0 1.0 1.0 1.0

Stage: L M H No Vts. Ch. Int. DW Trib.

COVER

SWD	LWD	B	C	OP	OV	IV	CROWN CLOSURE	DISTURBANCE INDICATORS
							0 1 2 3 4 5	01 B1 B2 B3 D1 D2 D3 C1 C2 C3 C4 C5 S1 S2 S3 S4 S5
NFAU				INSTREAM VEGETATION				PATTERN
CE				NAMV				TM ME IM IR SI ST
UVSO				UVSO				ISLANDS
FGCBRA				FGCBRA				MARKS
NGSCDMW				NGSCDMW				COUPLING
INIT SHR PS YF MF				INIT SHR PS YF MF				CONFINEMENT
EN CO FC OC UN N/A								

FEATURES

NO.	MAP #	NO.	TYPE	DATE	PHOTO	COMMENTS
1						R_F
2						R_F
3						R_F
4						R_F

HABITAT QUALITY	HABITAT TYPE	ZONE	QUALITY	SPECIES	COMMENTS
REARING HABITAT					
SPAWNING HABITAT					
OVERWINTER HABITAT					
COVER					
OTHER					
TRIB	SC	FC	SWP/SLG	FL/BV	
PHOTO DOCUMENTATION	2 14 ST D				
WILDLIFE	GROUP	WILDLIFE OBSERVATIONS			GROUP
COMMENTS	c. Site - from "meadow" - no certain ch bed, just squishy mess not an FR stream				NFC

HABITAT QUALITY	HABITAT TYPE	ZONE	QUALITY	SPECIES	COMMENTS
REARING HABITAT	P		F	RB	
SPAWNING HABITAT			M	RB	- no instream cover
OVERWINTER HABITAT			P	RB	- no gravel, regulated flow
COVER			F	RB	
OTHER					
TRIB	SC	FC	SWP/SLG	FL/BV	
PHOTO DOCUMENTATION	2 10 ST U 2 11 ST D				
WILDLIFE	GROUP	WILDLIFE OBSERVATIONS			GROUP
COMMENTS	c. Site to confirm fish absence → NFC in R1 in P1 1 m wide, but all silt, no pools - very shallow 7' across almost all gravel/rock - accessibility but lacks cover in stream course for fish hab.				and NFC = Sh

INDIVIDUAL FISH DATA													COMMENTS	PHOTO	
SITE	DATE	NO.	ALP	SPEC.	LENGTH	WEIGHT	SEX	MATURE	AGE	STRUCTURE	SAMPLE	VOUCHER			STRUCTURE
															R_F
															R_F
															R_F
															R_F
															R_F
															R_F
															R_F
															R_F
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															R_F
															R_F
															R_F
															R_F

HABITAT QUALITY	HABITAT TYPE	ZONE	QUALITY	SPECIES	COMMENTS
REARING HABITAT		P	F	RB	
SPAWNING HABITAT					
OVERWINTER HABITAT					
COVER					
OTHER					
TRIB	SC	FC	SWP/SLG	FL/BV	
PHOTO DOCUMENTATION	2 9 ST U				
WILDLIFE	GROUP	WILDLIFE OBSERVATIONS			GROUP
COMMENTS	c. Site = 50m below Rip RR gambled Rip on 1st of 1991 - NFC mostly fine aggregates, but no gravel below pools 15m gap from old farm road - no inst. sub flow - no flow on 9/9 - NFC combined				marginal hab, but not used! Sh

FISH COLLECTION FORM

GAZETTED NAME: Vinemas (local) +16

WATERSHED CODE: 182810609580910002350

WATERBODY ID: 182810609580910002350

PROJECT ID: 182810609580910002350

DATE: 19991015 AGENCY: COL6 CREW: SR MT

SITE/METHOD	A. GEAR SETTINGS		B. NET/TRAP SPECIFICATIONS	
	MTD/NL	N/P	MTD/NL	N/P
34	CF-1	1	34	CF-1
	CF-1	2	34	CF-1

COMMENTS: No fish use captured
→ none in 96/99

SITE/METHOD	A. GEAR SETTINGS		B. NET/TRAP SPECIFICATIONS	
	MTD/NL	N/P	MTD/NL	N/P
34	CF-1	1	34	CF-1
	CF-1	2	34	CF-1

SITE NO.	MTD/NL	N/P	C. ELECTROFISHER SPECIFICATIONS	
			VOLTAJE	PULSA
34	CF-1	1	400	4
34	CF-1	2	500	6

GAZETTED NAME: Wanley san Ob. T (local) 717

WATERSHED CODE: 182810609580910002350

WATERBODY ID: 182810609580910002350

PROJECT ID: 182810609580910002350

DATE: 19991015 AGENCY: COL6 CREW: SR MT

SITE/METHOD	A. GEAR SETTINGS		B. NET/TRAP SPECIFICATIONS	
	MTD/NL	N/P	MTD/NL	N/P
35	CF-1	1	35	CF-1
	CF-1	2	35	CF-1

COMMENTS: No fish in 96/99
→ marginal habitat moderately steep
likely exposed → no fish use
→ see RST site card
→ site = 400m below the R. Xing

SITE NO.	MTD/NL	N/P	C. ELECTROFISHER SPECIFICATIONS	
			VOLTAJE	PULSA
35	CF-1	1	500	4
35	CF-1	2	600	6

STREAM NAME: Vinemas (local) T17A

WATERSHED CODE: 182810609580910002350

R.P. MAP # 92065 I.P.P. # 92065 NID MAP # 92065 NID # 92065

REACH # 36 SITE # 36 SITE UTM 1160 ACCESS W

DATE: 19991015 TIME: 11:55 AGENCY: COL6 CREW: SR MT FISH FORM: YO 82

CHANNEL	GRADIENT	FLOOD SIGNS	BED MATERIAL	
			Dominant	Subdom.

COVER	COVER		DISTURBANCE INDICATORS	
	SWD	LWD	O1	B1

FEATURES	FEATURES		CONFINEMENT	
	INIT	SHR	EN	CO

SITE CARD

STREAM NAME: Vinemas (local) 182810609580910002350

WATERSHED CODE: 182810609580910002350

R.P. MAP # 92065 I.P.P. # 92065 NID MAP # 92065 NID # 92065

REACH # 37 SITE # 37 SITE UTM 1160 ACCESS W

DATE: 19991015 TIME: 11:50 AGENCY: COL6 CREW: SR MT FISH FORM: YO 82

CHANNEL	GRADIENT	FLOOD SIGNS	BED MATERIAL	
			Dominant	Subdom.

COVER	COVER		DISTURBANCE INDICATORS	
	SWD	LWD	O1	B1

FEATURES	FEATURES		CONFINEMENT	
	INIT	SHR	EN	CO

FISH COLLECTION FORM

WATER BODY ID: 109A97113 DATE: 09/30/15 AGENCY: COLB CREW: SR MS

WATER TYPE: LAKE STREAM WETLAND

REACH: 7 SITE: 43 SITE UTM: S11 T20

SITE/METHOD

41
43

FISH SUMMARY

41
43

FISH COLLECTION FORM

WATER BODY ID: 1625117600195601190013570 DATE: 09/30/15 AGENCY: COLB CREW: SR MS

WATER TYPE: LAKE STREAM WETLAND

REACH: 7 SITE: 43 SITE UTM: S11 T20 ACCESS: V4

SITE/METHOD

41
43

FISH SUMMARY

41
43

FISH COLLECTION FORM

GAZETTED NAME: 1625117600195601190013570 DATE: 09/30/15 AGENCY: COLB CREW: SR MS

WATER BODY ID: 1625117600195601190013570

REACH: 7 SITE: 43 SITE UTM: S11 T20

SITE/METHOD

41

FISH SUMMARY

41

GEAR SPECIFICATIONS

41

COMMENTS

- Exc. 400 net - 4m sampling event, 1st fish captured!

- 53 continued to end of reach 2

FISH COLLECTION FORM

WATER BODY ID: 1625117600195601190013570 DATE: 09/30/15 AGENCY: COLB CREW: SR MS

WATER TYPE: LAKE STREAM WETLAND

REACH: 7 SITE: 43 SITE UTM: S11 T20

SITE/METHOD

47

FISH SUMMARY

47

NET / TRAP SPECIFICATIONS												
C	DATE IN	DATE OUT	TIME IN	TIME OUT	NET TYPE	LENGTH	DEPTH	AREA	NET NO.	DATE SET	DATE RESET	DATE UNSET
GEAR SPECIFICATIONS ELECTROFISHER SPECIFICATIONS COMMENTS												

HABITAT QUALITY				
HABITAT TYPE	ZONE	QUALITY	SPECIES	COMMENTS
SPAWNING HABITAT				
OVERWINTER HABITAT				
COVER				
OTHER				
FRZ	TRIB	SC	FC	SWP/SLG
PHOTO DOCUMENTATION				
WILDLIFE OBSERVATIONS				
COMMENTS				

INDIVIDUAL FISH DATA													
C	BITE	MTD/NO.	W/P	SPEC	LENGTH	WEIGHT	SEX	MATURE	AGE	VOUCHER #	GENETIC	COMMENT	PHOTO
		41	RF	RB	78								R
		41	RF	RB	72								F
FAMILY RB													
COMMENTS													

NET / TRAP SPECIFICATIONS												
C	DATE IN	DATE OUT	TIME IN	TIME OUT	NET TYPE	LENGTH	DEPTH	AREA	NET NO.	DATE SET	DATE RESET	DATE UNSET
GEAR SPECIFICATIONS ELECTROFISHER SPECIFICATIONS COMMENTS												

PROJECT: [REDACTED] DATE: 7/15/96
 CHANNEL: [REDACTED] 43
 WATER: 4.0 MP
 CHANNEL: [REDACTED] 43
 WATER: 17.0 °C
 T M L C
 No Via. Ch. 11 Dry/Und. 11
 DW Tble.
 Type SWD LWD B U DP OV IV
 AMT [REDACTED]
 LOC [REDACTED]
 INIT SHR PS YF [REDACTED]

0	1	2	3	4	5
C1	C2	C3	C4	C5	S1
S2	S3	S4	S5		

TM ME BM (R) SI ST
 N O I F S AN
 N SIDE DIAG (MID) SPAN BR
 DC PC CD
 EN CD FC OD UN N/A

R. F. _____
 R. F. _____
 R. F. _____
 R. F. _____

PROJECT: [REDACTED] DATE: 7/15/96
 CHANNEL: [REDACTED] 43
 WATER: [REDACTED]
 CHANNEL: [REDACTED]
 WATER: [REDACTED]
 T M L C
 No Via. Ch. 11 Dry/Und. 11
 DW Tble.
 Type SWD LWD B U DP OV IV
 AMT [REDACTED]
 LOC [REDACTED]
 INIT SHR PS YF [REDACTED]

0	1	2	3	4	5
C1	C2	C3	C4	C5	S1
S2	S3	S4	S5		

TM ME BM (R) SI ST
 N O I F S AN
 N SIDE DIAG (MID) SPAN BR
 DC PC CD
 EN CD FC OD UN N/A

R. F. _____
 R. F. _____
 R. F. _____
 R. F. _____

PROJECT: [REDACTED] DATE: 7/15/96
 CHANNEL: [REDACTED] 43
 WATER: [REDACTED]
 CHANNEL: [REDACTED]
 WATER: [REDACTED]
 T M L C
 No Via. Ch. 11 Dry/Und. 11
 DW Tble.
 Type SWD LWD B U DP OV IV
 AMT [REDACTED]
 LOC [REDACTED]
 INIT SHR PS YF [REDACTED]

0	1	2	3	4	5
C1	C2	C3	C4	C5	S1
S2	S3	S4	S5		

TM ME BM (R) SI ST
 N O I F S AN
 N SIDE DIAG (MID) SPAN BR
 DC PC CD
 EN CD FC OD UN N/A

R. F. _____
 R. F. _____
 R. F. _____
 R. F. _____

PROJECT: [REDACTED] DATE: 7/15/96
 CHANNEL: [REDACTED] 43
 WATER: [REDACTED]
 CHANNEL: [REDACTED]
 WATER: [REDACTED]
 T M L C
 No Via. Ch. 11 Dry/Und. 11
 DW Tble.
 Type SWD LWD B U DP OV IV
 AMT [REDACTED]
 LOC [REDACTED]
 INIT SHR PS YF [REDACTED]

0	1	2	3	4	5
C1	C2	C3	C4	C5	S1
S2	S3	S4	S5		

TM ME BM (R) SI ST
 N O I F S AN
 N SIDE DIAG (MID) SPAN BR
 DC PC CD
 EN CD FC OD UN N/A

R. F. _____
 R. F. _____
 R. F. _____
 R. F. _____

HABITAT QUALITY

- rd, leaning in peds/LWD to peds
- ground: slightly log/angled → appropriate for 6.1.
- good M.W. in peds

FSZ

PHOTO DOCUMENTATION

0	71	22	1	(H. 100)
0	74	22	1	(H. 100)

WILDLIFE OBSERVATIONS

WILDLIFE OBSERVATIONS

COMMENTS

0 ...

NET / TRAP SPECIFICATIONS

SITE	NET/TRAPE	SPASS	DATE IN	TIME IN	DATE OUT	TIME OUT	NET TYPE	LENGTH	DEPTH	NO. TRAPS	NO. NETS	NO. BAGS
44	CF 1	1	12/20	10:05	11/1	03	0.6	0	600	60	4	SP
46	CF 1	2	12/20	10:50	11/1	03	0.6	0	700	70	6	"

ELECTROFISHER SPECIFICATIONS

COMMENTS

NET / TRAP SPECIFICATIONS

SITE	NET/TRAPE	SPASS	DATE IN	TIME IN	DATE OUT	TIME OUT	NET TYPE	LENGTH	DEPTH	NO. TRAPS	NO. NETS	NO. BAGS
44	CF 1	1	12/20	10:05	11/1	03	0.6	0	600	60	4	SP
46	CF 1	2	12/20	10:50	11/1	03	0.6	0	700	70	6	"

ELECTROFISHER SPECIFICATIONS

COMMENTS

... over ...

NET / TRAP SPECIFICATIONS

SITE	NET/TRAPE	SPASS	DATE IN	TIME IN	DATE OUT	TIME OUT	NET TYPE	LENGTH	DEPTH	NO. TRAPS	NO. NETS	NO. BAGS
45	CF 1	1	12/20	11:10	11/1	03	0.6	0	700	70	4	SP

ELECTROFISHER SPECIFICATIONS

COMMENTS

... over ...

SITE CARD

Stream Name: Unamed (local)

Watershed Code: 83033

Project ID: 3 Reach: 228 Agency: CO16 Crew: M3 SP

Date: 19/08/11 Time: 11:15 Access: Fr

Channel: 1.2 0.8 1.3 1.4 0.9 Gradient: 21 Flood Signs: 10 10

Channel Width: 1.2 0.8 1.3 1.4 0.9 Water Temp: 7.8 Cond: µS

Bank Pool Depth: 0.3 0.5 0.5 0.4 0.5 Bed Material: 10 10 SP

Depth: 0.5 Stage: 0.6 No. Yls. Ch. Inlet DW Trib.

COVER	SWD LWD					CROWN CLOSURE					DISTURBANCE INDICATORS				
	C	B	C	DP	OV	0	1	2	3	4	5	C1	C2	C3	C4
	N	F	D	U											

Stream Veg: C N A M V

Bank Veg: F 0 C B R A

Islands: 0 0 I F S A N

Traps: 0 0 P M T L

Coupling: 05 PC CO

Confinement: EN CO FC OC UN N/A

Map: C NID: 83033 Type: INT/LA Photo: R2 F1 Comments: W: 10 down

FISH COLLECTION FORM

Gazetted Name: Unamed (local)

Watershed Code: 83033

Project ID: 3 Reach: 228 Agency: CO16 Crew: M3 SP

Date: 19/08/11 Time: 11:15 Access: Fr

Channel: 1.2 0.8 1.3 1.4 0.9 Gradient: 21 Flood Signs: 10 10

Channel Width: 1.2 0.8 1.3 1.4 0.9 Water Temp: 7.8 Cond: µS

Bank Pool Depth: 0.3 0.5 0.5 0.4 0.5 Bed Material: 10 10 SP

Depth: 0.5 Stage: 0.6 No. Yls. Ch. Inlet DW Trib.

COVER	SWD LWD					CROWN CLOSURE					DISTURBANCE INDICATORS				
	C	B	C	DP	OV	0	1	2	3	4	5	C1	C2	C3	C4
	N	F	D	U											

Stream Veg: C N A M V

Bank Veg: F 0 C B R A

Islands: 0 0 I F S A N

Traps: 0 0 P M T L

Coupling: 05 PC CO

Confinement: EN CO FC OC UN N/A

Map: C NID: 83033 Type: INT/LA Photo: R2 F1 Comments: W: 10 down

SITE CARD

Stream Name: Unamed (local)

Watershed Code: 83033

Project ID: 4 Reach: 229 Agency: CO16 Crew: M3 SP

Date: 19/08/11 Time: 11:16 Access: Fr

Channel: 1.3 1.4 1.5 1.4 Gradient: 21 Flood Signs: 10 10

Channel Width: 1.3 1.4 1.5 1.4 Water Temp: 7.8 Cond: µS

Bank Pool Depth: 0.3 0.5 0.5 0.4 0.5 Bed Material: 10 10 SP

Depth: 0.5 Stage: 0.6 No. Yls. Ch. Inlet DW Trib.

COVER	SWD LWD					CROWN CLOSURE					DISTURBANCE INDICATORS				
	C	B	C	DP	OV	0	1	2	3	4	5	C1	C2	C3	C4
	N	F	D	U											

Stream Veg: C N A M V

Bank Veg: F 0 C B R A

Islands: 0 0 I F S A N

Traps: 0 0 P M T L

Coupling: 05 PC CO

Confinement: EN CO FC OC UN N/A

Map: C NID: 83033 Type: INT/LA Photo: R2 F1 Comments: W: 10 down

FISH COLLECTION FORM

Gazetted Name: Unamed (local)

Watershed Code: 83033

Project ID: 4 Reach: 229 Agency: CO16 Crew: M3 SP

Date: 19/08/11 Time: 11:16 Access: Fr

Channel: 1.3 1.4 1.5 1.4 Gradient: 21 Flood Signs: 10 10

Channel Width: 1.3 1.4 1.5 1.4 Water Temp: 7.8 Cond: µS

Bank Pool Depth: 0.3 0.5 0.5 0.4 0.5 Bed Material: 10 10 SP

Depth: 0.5 Stage: 0.6 No. Yls. Ch. Inlet DW Trib.

COVER	SWD LWD					CROWN CLOSURE					DISTURBANCE INDICATORS				
	C	B	C	DP	OV	0	1	2	3	4	5	C1	C2	C3	C4
	N	F	D	U											

Stream Veg: C N A M V

Bank Veg: F 0 C B R A

Islands: 0 0 I F S A N

Traps: 0 0 P M T L

Coupling: 05 PC CO

Confinement: EN CO FC OC UN N/A

Map: C NID: 83033 Type: INT/LA Photo: R2 F1 Comments: W: 10 down

NET / TRAP SPECIFICATIONS												
NET #	DATE	TIME	DATE OUT	TIME OUT	NET #	DATE	TIME	DATE OUT	TIME OUT	NET #	DATE	
221	EF11	1			366	304	0.7	0	400	100	SR	12B

COMMENTS: Like 's 76 as no fish caught → check previous L.

NET / TRAP SPECIFICATIONS												
NET #	DATE	TIME	DATE OUT	TIME OUT	NET #	DATE	TIME	DATE OUT	TIME OUT	NET #	DATE	
222	EF11	1			94	80	0.7	0	400	100	SR	12B

COMMENTS: - RB Catching fish & abundant

NET / TRAP SPECIFICATIONS												
NET #	DATE	TIME	DATE OUT	TIME OUT	NET #	DATE	TIME	DATE OUT	TIME OUT	NET #	DATE	
KB	43				RB	37						
RB	35				RB	36						
RB	39				RB	44						
LB	11				KB	45						
RB	62				RB	30						
RB	25				KB	35						
RB	29				KB	24						
RB	29				KB	26						
KB	23				RB	24						
KB	27											
223	EF11	1			50	100	.6	0	400	100	SR	12B

COMMENTS: - 20 mins temp destruction on A end of 10 (100)
- 10 mins temp destruction on B end of 10 (100)
- 10 mins temp destruction on C end of 10 (100)
- 10 mins temp destruction on D end of 10 (100)

HABITAT QUALITY: No hobs

PHOTO DOCUMENTATION:

WILDLIFE OBSERVATION:

COMMENTS: No channel found near the Saboteur L. NCD

FISH COLLECTION FORM

LAKE STREAM WETLAND

PROJECT: Unimod DATE: 8/27/97 SITE: 83027 FISH PERMIT: Y

COUNTY: Colo REGION: MJ, SB RE-SAMPLE

DATE: 19980717 TIME: 11:00

SITE/METHOD: 221 EF1 197 C

FISH SUMMARY

<u>221</u>	<u>EF1</u>	<u>1</u>	<u>NFC</u>	<u>0</u>				
------------	------------	----------	------------	----------	--	--	--	--

LAKE STREAM WETLAND

PROJECT: Unimod DATE: 8/27/97 SITE: 83027 FISH PERMIT: Y

COUNTY: Colo REGION: MJ, SB RE-SAMPLE

DATE: 19980717 TIME: 11:00

SITE/METHOD: 222 EF1 11 C

FISH SUMMARY

<u>222</u>	<u>CE11</u>	<u>1</u>	<u>RB</u>	<u>J</u>	<u>11</u>	<u>25</u>	<u>62</u>	<u>R</u>
<u>222</u>	<u>CE11</u>	<u>1</u>	<u>RB</u>	<u>F</u>	<u>4</u>	<u>25</u>	<u>30</u>	<u>R</u>

LAKE STREAM WETLAND

PROJECT: Unimod DATE: 8/27/97 SITE: 83027 FISH PERMIT: Y

COUNTY: Colo REGION: MJ, SB RE-SAMPLE

DATE: 19980717 TIME: 11:00

SITE/METHOD: 223 EF1 11 C

FISH SUMMARY

<u>223</u>	<u>CE11</u>	<u>1</u>	<u>RB</u>	<u>F</u>	<u>3</u>	<u>24</u>	<u>28</u>	<u>R</u>
<u>223</u>	<u>CE11</u>	<u>1</u>	<u>RB</u>	<u>J</u>	<u>1</u>	<u>35</u>	<u>35</u>	<u>R</u>

FISH COLLECTION FORM

LAKE STREAM WETLAND

PROJECT: Unimod DATE: 8/27/97 SITE: 83027 FISH PERMIT: Y

COUNTY: Colo REGION: MJ, SB RE-SAMPLE

DATE: 19980717 TIME: 11:00

SITE/METHOD: 224 2000E FT

CHANNEL: 10100

TEMPERATURE: 18 °C

TURBIDITY: 1 NTU

CONDUCTIVITY: 150 µS/cm

No Vis. Ch. Dry/let. Trbs.

SWD LWD B U DP OV IV

AMT: 0

LOC: 0

COVER: NFA CE

FEATURES: R F

NET/TRAP SPECIFICATIONS															
GEAR SPECIFICATIONS	NET/TRAP SPECIFICATIONS														
	NO.	TYPE	SIZE	DEPTH	WIDTH	LENGTH	NO. OF TRAPS	NO. OF TRAPS	NO. OF TRAPS	NO. OF TRAPS	NO. OF TRAPS	NO. OF TRAPS	NO. OF TRAPS		
ELECTROFISHER SPECIFICATIONS	219	EF					138	103	09	0	400	100	4	SR	12B
COMMENTS	<p>Crab assembled Unit NR. Due to easy access from Heuron - 4th in surface records. (May be found in mo fish in Heuron L. → Has SG)</p> <p style="text-align: center;">(54)</p>														

NET/TRAP SPECIFICATIONS															
GEAR SPECIFICATIONS	NET/TRAP SPECIFICATIONS														
	NO.	TYPE	SIZE	DEPTH	WIDTH	LENGTH	NO. OF TRAPS	NO. OF TRAPS	NO. OF TRAPS	NO. OF TRAPS	NO. OF TRAPS	NO. OF TRAPS	NO. OF TRAPS		
ELECTROFISHER SPECIFICATIONS	2	ST	SW	DN			1442								
COMMENTS	<p>Very rich hab above rd (w/ 100m w/ from Heuron Lake) No. about steep bank (S' side) shallow with 4m cover ~70% grasses in substrate shallow & muddy pools. No. with 6 ft habitat of NR. used in 1997 in No. 1 & 3 yielded empty fish. R1 sampled again with negative results. Therefore SG.</p> <p style="text-align: center;">(56)</p>														

NET/TRAP SPECIFICATIONS															
GEAR SPECIFICATIONS	NET/TRAP SPECIFICATIONS														
	NO.	TYPE	SIZE	DEPTH	WIDTH	LENGTH	NO. OF TRAPS	NO. OF TRAPS	NO. OF TRAPS	NO. OF TRAPS	NO. OF TRAPS	NO. OF TRAPS	NO. OF TRAPS		
ELECTROFISHER SPECIFICATIONS	220	EF					537	505	1.0	0	500	100	4	SK	12B
COMMENTS															

NET/TRAP SPECIFICATIONS															
GEAR SPECIFICATIONS	NET/TRAP SPECIFICATIONS														
	NO.	TYPE	SIZE	DEPTH	WIDTH	LENGTH	NO. OF TRAPS	NO. OF TRAPS	NO. OF TRAPS	NO. OF TRAPS	NO. OF TRAPS	NO. OF TRAPS	NO. OF TRAPS		
ELECTROFISHER SPECIFICATIONS	2	ST	SW	UP			0946								
COMMENTS	<p>Nice creek with diverse & abundant cover. Good hab for RB. in grassy areas. dense, abundant & uniform gravel. Good stream habitat in pools. Excellent vegetation. Sampled P 2 in 1997 was yes. (Check) easier accessible but yielded empty fish. 1: Only w/ fish in lake → SG maybe!</p> <p style="text-align: center;">(57) info</p>														

FISH COLLECTION FORM

LAKE STREAM WETLAND

DATE: 1/29/2017
 TIME: 8:09
 PROJECT: 2016
 COUNTY: HJ, SB
 RE-SAMPLE:

SITE/METHOD: 219
 EFF: 1
 NFC: 1
 COMMENTS: 0

FISH SUMMARY:

219	EF 1	1	NFC	0
-----	------	---	-----	---

FISH COLLECTION FORM

LAKE STREAM WETLAND

DATE: 1/29/2017
 TIME: 8:09
 PROJECT: 2016
 COUNTY: HJ, SB
 RE-SAMPLE:

SITE/METHOD: 220
 EFF: 1
 NFC: 1
 COMMENTS: 0

FISH SUMMARY:

220	EF 1	1	NFC	0
-----	------	---	-----	---

FISH COLLECTION FORM

LAKE STREAM WETLAND

DATE: 1/29/2017
 TIME: 8:09
 PROJECT: 2016
 COUNTY: HJ, SB
 RE-SAMPLE:

SITE/METHOD: 220
 EFF: 1
 NFC: 1
 COMMENTS: 0

FISH SUMMARY:

220	EF 1	1	NFC	0
-----	------	---	-----	---

FISH COLLECTION FORM

LAKE STREAM WETLAND

DATE: 1/29/2017
 TIME: 8:09
 PROJECT: 2016
 COUNTY: HJ, SB
 RE-SAMPLE:

SITE/METHOD: 220
 EFF: 1
 NFC: 1
 COMMENTS: 0

FISH SUMMARY:

220	EF 1	1	NFC	0
-----	------	---	-----	---

HABITAT QUALITY
 Shallow slow flowing d.o. shallow banks gravel weed with Cobble
 lots white flow in pools algae. No logs or rainbow trout.
 Collected in 1997 R1 & R3 with VFE. No fish captured this year
 although good sampling conditions 200.

FSZ 1

PHOTO DOCUMENTATION	DATE	TIME	DEPTH	TEMP	WIND	WAVE	WAVE PERIOD	WAVE DIRECTION	WAVE HEIGHT	WAVE PERIOD	WAVE DIRECTION	WAVE HEIGHT
1	21	SS	11'	12.5								
2	22	SS	1m	12.5								

WILDLIFE OBSERVATIONS

DATE	TIME	DEPTH	TEMP	WIND	WAVE	WAVE PERIOD	WAVE DIRECTION	WAVE HEIGHT	WAVE PERIOD	WAVE DIRECTION	WAVE HEIGHT

COMMENTS

NET / TRAP SPECIFICATIONS

DATE	TIME	DEPTH	TEMP	WIND	WAVE	WAVE PERIOD	WAVE DIRECTION	WAVE HEIGHT	WAVE PERIOD	WAVE DIRECTION	WAVE HEIGHT
217	EF1	1	379	545	08	0	400	100	4	SR	12B

COMMENTS
 strongly suggests 1 of 3 forechute RB used in this creek.
 Shaded bank with frog stream & shallow pools.

HABITAT QUALITY
 more beds in pool than in stream. Shallow water. No logs or rainbow trout.

FSZ 1

PHOTO DOCUMENTATION	DATE	TIME	DEPTH	TEMP	WIND	WAVE	WAVE PERIOD	WAVE DIRECTION	WAVE HEIGHT	WAVE PERIOD	WAVE DIRECTION	WAVE HEIGHT
3	6	SS	11'	12.5								
5	6	SS	11'	12.5								

WILDLIFE OBSERVATIONS

DATE	TIME	DEPTH	TEMP	WIND	WAVE	WAVE PERIOD	WAVE DIRECTION	WAVE HEIGHT	WAVE PERIOD	WAVE DIRECTION	WAVE HEIGHT

COMMENTS
 side slope of road
 water on the low side of road
 over rocks, gravel, silt
 - water only over rocks, silt
 - water only over rocks, silt

NET / TRAP SPECIFICATIONS

DATE	TIME	DEPTH	TEMP	WIND	WAVE	WAVE PERIOD	WAVE DIRECTION	WAVE HEIGHT	WAVE PERIOD	WAVE DIRECTION	WAVE HEIGHT		
218	EF1	1	379	545	10-6	14	17	0	20	70	4	SR	12B

COMMENTS
 usable trap for data provided by road, water, d.o.

SITE CARD

Umanal

82006

1498107118 217 111510 CO16 115 SR 106 °C

CHANNEL: MC 1.4 1.3 1.3 1.4 1.5
 HC 0.7 0.9 1.0 0.8 0.9
 4 0.2 0.1 0.1 0.1 0.1

021015021 4 No Vis. Ch. Dry/lot.
 DW Trib.

25 C F
 S RP

Type	SWD	LWD	B	U	DP	OV	N
AMT	N	T	P	S	T	D	S
LOC	P	P	P	P	P	P	P

COVER: N O A C D U V S O N A M V
 U V S O U V S O
 P G C B R A P G C B R A
 N G S C D M W N G S C D M W
 INIT SHR PS YF MP NA INIT SHR PS YF MP NA

FEATURES: R F

SITE/METHOD

Umanal

82006

1498107118 217 111510 CO16 115 SR 106 °C

217 106

FISH SUMMARY

217 FF 1 NIF 0

SITE CARD

Umanal

82006

15 - 218 109107118 091510 CO16 SR 106 °C

CHANNEL: MC 1.8 1.7 2.1 1.9 2.2
 KC 1.6 1.1 1.9 1.9 1.9
 4 0.2

04103 4 No Vis. Ch. Dry/lot.
 DW Trib.

20 C F
 4 RP

Type	SWD	LWD	B	U	DP	OV	N
AMT	T	N	S	D	T	N	N
LOC	P	P	P	P	P	P	P

COVER: N O A C D U V S O N A M V
 U V S O U V S O
 P G C B R A P G C B R A
 N G S C D M W N G S C D M W
 INIT SHR PS YF MP NA INIT SHR PS YF MP NA

FEATURES: R F

SITE/METHOD

Umanal

82006

1498107118 218 109107118 091510 CO16 SR 106 °C

218 106

FISH SUMMARY

218 C 1 NIF 0

HABITAT QUALITY Dry creek with no fisheries potential.

FSZ

PHOTO DOCUMENTATION

WILDLIFE OBSERVATIONS

COMMENTS C 100 m up from mouth

(56)

HABITAT QUALITY

FSZ

PHOTO DOCUMENTATION

2	9	ST	D	12:07
3	10	ST	U	12:08

WILDLIFE OBSERVATIONS

COMMENTS C - 50 m from mouth
 - 100 m from mouth
 - 150 m from mouth
 - 200 m from mouth
 - 250 m from mouth
 - 300 m from mouth
 - 350 m from mouth
 - 400 m from mouth
 - 450 m from mouth
 - 500 m from mouth
 - 550 m from mouth
 - 600 m from mouth
 - 650 m from mouth
 - 700 m from mouth
 - 750 m from mouth
 - 800 m from mouth
 - 850 m from mouth
 - 900 m from mouth
 - 950 m from mouth
 - 1000 m from mouth

NET / TRAP SPECIFICATIONS

GEAR SPECIFICATIONS

ELECTROFISHER SPECIFICATIONS

COMMENTS

HABITAT QUALITY Seasonal shallow creek with no fisheries potential. Flows for 10-15 min before drying up. SF potential high due to 25% many channels at mouth with shallow muddy joints. Low flow site from mouth.

FSZ

PHOTO DOCUMENTATION

2	18	ST	HP	0814
---	----	----	----	------

WILDLIFE OBSERVATIONS

COMMENTS

Unmarked

02004

1 - 213

1999-07-19 11:10:00 COIG HJ 1 SE 200 CE FT

CHANNEL: mhd, MID, TEMP: °C, pH/cm, TMLC

COVER: Type SWD LWD B U DP OV IV AMT LOC

FEATURES: R_F

Unmarked

02004

1 - 213

1999-07-19 11:10:00 COIG HJ 1 SE 200 CE FT

CHANNEL: mhd, MID, TEMP: 11.5 °C, pH/cm, TMLC

COVER: Type SWD LWD B U DP OV IV AMT LOC

FEATURES: R_F

LAKE, STREAM, WETLAND

DATE: 1999-07-19

AGENCY: CREW

RE-SAMPLE

215

215 CE 1 NIP 0

Unmarked

93001

1 - 216

1999-08-11 06:09:10 COIG HT 1 SE 170 HE FT

CHANNEL: mhd, MID, TEMP: °C, pH/cm, TMLC

COVER: Type SWD LWD B U DP OV IV AMT LOC

FEATURES: R_F

HABITAT QUALITY

FSZ

PHOTO DOCUMENTATION

2	7	SR	11	11:21
2	7	SR	11	11:22

WIND DIRECTION / WIND SPEED

MOON

WINDSPEED OBSERVATION

COMMENTS

C

NET / TRAP SPECIFICATIONS

GEAR SPECIFICATIONS

ELECTROFISHER SPECIFICATIONS

COMMENTS

C

210	01	1	11:05	11:35	9.5	60	30	0	1.00	60	4	SR	RS
-----	----	---	-------	-------	-----	----	----	---	------	----	---	----	----

COMMENTS

C

NET / TRAP SPECIFICATIONS

GEAR SPECIFICATIONS

ELECTROFISHER SPECIFICATIONS

COMMENTS

C

211	01	1	11:05	11:35	9.5	60	30	0	1.00	60	4	SR	RS
-----	----	---	-------	-------	-----	----	----	---	------	----	---	----	----

COMMENTS

C

NET / TRAP SPECIFICATIONS

GEAR SPECIFICATIONS

ELECTROFISHER SPECIFICATIONS

COMMENTS

C

212	01	1	11:05	11:35	6.1	100	7	0	4.00	60	4	SR	RS
-----	----	---	-------	-------	-----	-----	---	---	------	----	---	----	----

COMMENTS

C

SITE CARD

UNCLAS. 075004 100 GE FT

19940714 10150 CO. R M 40 NLJ

CHANNEL 210 11.5 °C

0711 204 M M H No Vts. Ch. Oryz. DW Tilt.

Type	SWD	LWD	B	U	DP	OV	IV	01	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
AMT	TS	N	N	D	T	N												
LOC	0	1	2	3	4	5	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5	S6	

COVER

NFA GE UV(S)O FGBRA NGS CDMW INIT SHR PS YF MFNA

TM ME IM CR SI ST N D I F S AN DC PC CO EN CO FC LOC UN NVA

FEATURES

R F

R F

R F

R F

UNCLAS. 075004 100 GE FT

19940714 10150 CO. R M 40 NLJ

210 11.5 °C

0711 204 M M H No Vts. Ch. Oryz. DW Tilt.

DATE 19940714 10150 CO. R M 40 NLJ

AGENC. COL. CREW. SAMPLE

210 CE 1 R3 3 1 7 74 88 R

FISH SUMMARY

UNCLAS. 075004 100 GE FT

19940714 10150 CO. R M 40 NLJ

211 11.5 °C

0711 204 M M H No Vts. Ch. Oryz. DW Tilt.

DATE 19940714 10150 CO. R M 40 NLJ

AGENC. COL. CREW. SAMPLE

211 CE 1 NEP

FISH SUMMARY

UNCLAS. 075004 100 GE FT

19940714 10150 CO. R M 40 NLJ

212 11.5 °C

0711 204 M M H No Vts. Ch. Oryz. DW Tilt.

DATE 19940714 10150 CO. R M 40 NLJ

AGENC. COL. CREW. SAMPLE

212 CE 1 184 3 1 4 85 88 R

FISH SUMMARY

FISH COLLECTION FORM

GAZETTED NAME: (local)

WATERSHED CODE: _____

WATERBODY ID: _____ I/P MAP # _____ I/P # 20022

PROJECT ID: resampling 98 REACH # 2 FISH PERMIT # _____

DATE: 19/9/10 AGENCY: CO16 CREW: SL NJ

SITE/METHOD	C	SITE NO.	MAP NO.	MAP #	MTD / NO.	STREAM CONDITION	C	SITE NO.	MTD / NO.	H/P	SPECIES	STAGE	AGE	TOTAL	NO. /	NO. /	FISH
		207			EF 7.5	C		207	EF 1	NFC				0			

A. GEAR SETTINGS

C	SITE NO.	MTD / NO.	H/P	DATE IN	TIME IN	DATE OUT	TIME OUT	OF BUL	LENGTH	WIDTH	BUL	NET TYPE	LENGTH	DEPTH	NET	NO.
	207	EF 1	1	07/12/2	1040	07/12/2	1045	44	150	92	0					

B. NET/TRAP SPECIFICATIONS

COMMENTS: Trig shallow therefore fence was usable. Fish had 15-20% back deep & wide enough pools to sample.

C. ELECTROFISHER SPECIFICATIONS

C	SITE NO.	MTD / NO.	H/P	VOLTAGE	PHAS	PULSE	MODE	MODEL
	207	EF 1	1	600	70	6	SR	120

FISH COLLECTION FORM

GAZETTED NAME: (local)

WATERSHED CODE: _____

WATERBODY ID: _____ I/P MAP # _____ I/P # 20023

PROJECT ID: resampling 98 REACH # _____ FISH PERMIT # _____

DATE: 19/9/10 AGENCY: CO16 CREW: SL NJ

SITE/METHOD	C	SITE NO.	MAP NO.	MAP #	MTD / NO.	STREAM CONDITION	C	SITE NO.	MTD / NO.	H/P	SPECIES	STAGE	AGE	TOTAL	NO. /	NO. /	FISH
		208			EF 1.9	C		208	EF 1	NFC				0			

A. GEAR SETTINGS

C	SITE NO.	MTD / NO.	H/P	DATE IN	TIME IN	DATE OUT	TIME OUT	OF BUL	LENGTH	WIDTH	BUL	NET TYPE	LENGTH	DEPTH	NET	NO.
	208	EF 1	1	07/12/2	1125	07/12/2	1130	36	80	92	0					

B. NET/TRAP SPECIFICATIONS

COMMENTS: Seasonal, steep, trig, no fish had shallow fast deeper (0.15m) pools.

C. ELECTROFISHER SPECIFICATIONS

C	SITE NO.	MTD / NO.	H/P	VOLTAGE	PHAS	PULSE	MODE	MODEL
	208	EF 1	1	500	70	6	SR	120

56

SITE CARD

STREAM NAME: (local)

WATERSHED CODE: _____

I/P MAP # _____ I/P # 20025

REACH # _____ SITE # 209 SITE UTM _____ SITE L 175 AC ACCESS ✓

DATE: 19/9/10 TIME: 11:45 AGENCY: CO16 CREW: SL NJ FISH FORM: _____

CHANNEL	width	GRADIENT	FLOOD SIGNS	TEMP	COND.	TURB.
CHANNEL WIDTH (m)	4.5 0.6 0.7 0.6 0.5 0.7	14.8		9 °C	µS	T M L
WETTED WIDTH (m)	4.5 0.6 0.7 0.6 0.5 0.7					
REEF POOL DEPTH (m)	4.5 0.1 0.5 0.5 0.2 0.1	7.12				
W ₁ DEPTH	0.2 0.3 0.2					

COVER: SWD LWD B C DP OV IV

CHANN. CL. T N T D T N

INSTR. VEG. U S O

STAGE: F B R A

INIT SHR PS YF U S O

PHOTO: C 4.16 HU RZ file covered @ view of reach

FISH COLLECTION FORM

GAZETTED NAME: (local)

WATERSHED CODE: _____

WATERBODY ID: _____ I/P MAP # _____ I/P # 20025

PROJECT ID: resampling 98 REACH # _____ FISH PERMIT # _____

DATE: 19/9/10 AGENCY: CO16 CREW: SL NJ

SITE/METHOD	C	SITE NO.	MAP NO.	MAP #	MTD / NO.	STREAM CONDITION	C	SITE NO.	MTD / NO.	H/P	SPECIES	STAGE	AGE	TOTAL	NO. /	NO. /	FISH
		209			EF 1.9	C		209	EF 1	NFC				0			

A. GEAR SETTINGS

C	SITE NO.	MTD / NO.	H/P	DATE IN	TIME IN	DATE OUT	TIME OUT	OF BUL	LENGTH	WIDTH	BUL	NET TYPE	LENGTH	DEPTH	NET	NO.
	209	EF 1	1	07/12/2	1135	07/12/2	1150	177	135	92	0					

B. NET/TRAP SPECIFICATIONS

COMMENTS: Shaded fast nice had above channel, NFC, inaccessible.

C. ELECTROFISHER SPECIFICATIONS

C	SITE NO.	MTD / NO.	H/P	VOLTAGE	PHAS	PULSE	MODE	MODEL
	209	EF 1	1	500	70	6	SR	120

56

FISH COLLECTION FORM

GAZETTED NAME: _____ (local)

WATERSHED CODE: _____

WATERBODY ID # _____

PROJECT ID: Resampling 98 REACH # _____ ILP MAP # _____ FISH PERMIT # _____

DATE: 19/09/10 07:22 TIME IN: _____ AGENCY: C016 CREW: SE, MJ

SITE/METHOD	C	SITE NO.	MTD/NO.	H/P	DATE IN	DATE OUT	TIME IN	TIME OUT	SP. NO.	LENGTH	WIDTH	DEPTH	NET TYPE	VOLTAJE	PULSE	MADE	MODEL
		204	EF1	1	07/22/09	07/22/09	11	14	0.5	0							

A. GEAR SETTINGS **B. NET/TRAP SPECIFICATIONS**

COMMENTS: Resampling - creek branches out ~ 80 m W from wetland and water discharges into forest floor. W without visible channel. Inaccessible to fish, shallow!

C. ELECTROFISHER SPECIFICATIONS

SITE NO. MTD/NO. H/P VOLTAJE PULSE MADE MODEL

204 EF1 1 500 60 60 SE 12B

FISH COLLECTION FORM

GAZETTED NAME: _____ (local)

WATERSHED CODE: _____

WATERBODY ID # _____

PROJECT ID: Resampling 98 REACH # _____ ILP MAP # _____ FISH PERMIT # _____

DATE: 19/09/10 07:22 TIME IN: _____ AGENCY: C016 CREW: SR, MJ

CHANNEL: _____ GRADIENT (%): _____ FLOOD SIGNS: _____

CHANNEL WIDTH (m): _____

WETTED WIDTH (m): _____

WATER DEPTH (m): _____

W. DEPTH: 0.6, 0.7, 0.6 STAGE: L, O, H

COVER	COVER				CROWN CLOSURE					DISTURBANCE INDICATORS									
	SVD	LWD	B	C	DP	OV	IV	0	1	2	3	4	5	01	B1	B2	B3	O1	O2
TEXTURE	TEXTURE				TEXTURE					SCOURING									
	F	0	B	R	A	F	0	B	R	A	DC	PC	OC	UN	MA				

COMMENTS: Creek with a little usable cover. Shallow, lacks year round flow, highly seasonal.

C. ELECTROFISHER SPECIFICATIONS

SITE NO. MTD/NO. H/P VOLTAJE PULSE MADE MODEL

205 EF1 1 500 70 6 SE 12B

FISH COLLECTION FORM

GAZETTED NAME: _____ (local)

WATERSHED CODE: _____

WATERBODY ID # _____

PROJECT ID: Resampling 98 REACH # _____ ILP MAP # _____ FISH PERMIT # _____

DATE: 19/09/10 07:22 TIME IN: _____ AGENCY: C016 CREW: SE, MJ

SITE/METHOD	C	SITE NO.	MTD/NO.	H/P	DATE IN	DATE OUT	TIME IN	TIME OUT	SP. NO.	LENGTH	WIDTH	DEPTH	NET TYPE	VOLTAJE	PULSE	MADE	MODEL
		205	EF1	1	07/22/09	07/22/09	13	30	1.6	0							

A. GEAR SETTINGS **B. NET/TRAP SPECIFICATIONS**

COMMENTS: Creek with a little usable cover. Shallow, lacks year round flow, highly seasonal.

C. ELECTROFISHER SPECIFICATIONS

SITE NO. MTD/NO. H/P VOLTAJE PULSE MADE MODEL

205 EF1 1 500 70 6 SE 12B

FISH COLLECTION FORM

GAZETTED NAME: _____ (local)

WATERSHED CODE: _____

WATERBODY ID # _____

PROJECT ID: Resampling 98 REACH # _____ ILP MAP # _____ FISH PERMIT # _____

DATE: 19/09/10 07:22 TIME IN: _____ AGENCY: C016 CREW: SE, MJ

SITE/METHOD	C	SITE NO.	MTD/NO.	H/P	DATE IN	DATE OUT	TIME IN	TIME OUT	SP. NO.	LENGTH	WIDTH	DEPTH	NET TYPE	VOLTAJE	PULSE	MADE	MODEL
		206	EF1	1	07/22/09	07/22/09	17	16	0.6	0							

A. GEAR SETTINGS **B. NET/TRAP SPECIFICATIONS**

COMMENTS: Shallow creek ~ 70% with shallow pools, highly seasonal not accessible from Hobson C.

C. ELECTROFISHER SPECIFICATIONS

SITE NO. MTD/NO. H/P VOLTAJE PULSE MADE MODEL

206 EF1 1 600 70 6 SE 12B

HABITAT QUALITY		NONE	
PSZ			
NETS / TRAP DOCUMENTATION		See P. 1 photo	
WILDLIFE			
COMMENTS		c. c. lib: from area d. h. low sand = spec. to ... - no subit hind hickwires - from ... m. in ch.	

GEAR SPECIFICATIONS		NET / TRAP SPECIFICATIONS																			
ELECTROFISHER SPECIFICATIONS		201 11 1		104		17.0		0.1		0		700		70		4		SR		125	
COMMENTS																					

INDIVIDUAL FISH DATA													# PHOTOS
C	SEX	MTD / NO.	W / P	SPEC.	LENGTHS	WEIGHTS	SEX	MATUR.	PARITY	AGE	GENOTYP.	PHENOTYP.	
													R_F
													R_F
													R_F
													R_F
													R_F
													R_F
													R_F
													R_F
													R_F
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													R_F
													R_F
													R_F
													R_F
													R_F
													R_F
- Pack up ... & ... of ... - ... stream ... each 3 - ... sampling ... - good ... ground (RPMW) - if, ... to ... (hi flow est.)													COMMENT

INDIVIDUAL FISH DATA													# PHOTOS
C	SEX	MTD / NO.	W / P	SPEC.	LENGTHS	WEIGHTS	SEX	MATUR.	PARITY	AGE	GENOTYP.	PHENOTYP.	
													R_F
													R_F
													R_F
													R_F
													R_F
													R_F
													R_F
													R_F
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													R_F
													R_F
													R_F
													R_F
													R_F
													R_F
													COMMENT

SITE CARD

TAMZA

2 - 201

199810725 101519 2016 SP 157 170 GP RT

CHANNEL: 14 08 06 16 05 04 01
 15 04 08 05 03 02 03
 15 04 08 05 03 02 03

WATER: 10.2 °C

NO. OF CH. LI: 0
 SW: 0

COVER: Type SWD LWD B U DP OV NV
 AMT: 0 1 2 (3) 4 5
 LOC: N(A) A C D (N) A M V
 U V (3) 0 U V (3) 0
 C B R A C B R A
 N G (3) D M W N G S (3) D M W
 INIT SHR PS YF (3) NA INIT SHR PS YF (3) NA

FEATURES: R F

TAMZA

199810725 AGENCY: 2016 REACH: 157 LI RE-SAMPLE

201

201 GR NFP 0

FISH COLLECTION FORM

GAZETTED NAME: (local) Moose C.

WATERSHED CODE: 926040 ILP MAP # 40505

PROJECT ID: Resampling 18 REACH # 4 FISH PERMIT #

DATE: 199810725 19990722 AGENCY: 2016 CREW: SR MT

C	SITE NO.	MAP NO.	NO. MAP #	MTD / NO.	STREAM CONDITION	C	SITE NO.	MTD / NO.	N/P	SPECIES	STAGE	AGE	TOTAL #	NO. LENGTH	MAX. LENGTH	FISH ACT.
	202			GF190	C		202	GF11	1	NFC			0			
							202	GF11	2	NFC			0			

A. GEAR SETTINGS

C	SITE NO.	MTD / NO.	N/P	DATE IN	TIME IN	DATE OUT	TIME OUT	SP. NO.	LENGTH	WIDTH	NO. OF NETS	NET TYPE	LENGTH	DEPTH	AREA	NET #	MAX. #
	202	GF11	1	07/23	16:30	07/23	6:14	164	73	15	0						
	202	GF11	2	07/23	6:40	07/23	6:09	147	73	15	0						

C. ELECTROFISHER SPECIFICATIONS

SITE NO.	MTD / NO.	N/P	VOLTAGE	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
202	GF11	1	60	4	SR	RB			
202	GF11	2	700	6	GR	IG			

Comments: Resampled Reach 4 from 18 inventory - was NFC - 54 of 10 walking fish were water clear but dark too-colored - sand in deep pools - would have caught fish if present - NON-FISH BEARING - still but gradient 90/width

FISH COLLECTION FORM

GAZETTED NAME: (local)

WATERSHED CODE: ILP MAP # 2006

PROJECT ID: Resampling 98 REACH # 1 FISH PERMIT #

DATE: 199810722 AGENCY: 2016 CREW: SR MT

C	SITE NO.	MAP NO.	NO. MAP #	MTD / NO.	STREAM CONDITION	C	SITE NO.	MTD / NO.	N/P	SPECIES	STAGE	AGE	TOTAL #	NO. LENGTH	MAX. LENGTH	FISH ACT.
	203			GF118	C		203	GF11	1	NFP			0			

A. GEAR SETTINGS

C	SITE NO.	MTD / NO.	N/P	DATE IN	TIME IN	DATE OUT	TIME OUT	SP. NO.	LENGTH	WIDTH	NO. OF NETS	NET TYPE	LENGTH	DEPTH	AREA	NET #	MAX. #
	203	GF11	1	07/22	08:20	07/22	02:30	73	120	0.3	0						

C. ELECTROFISHER SPECIFICATIONS

SITE NO.	MTD / NO.	N/P	VOLTAGE	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
203	GF11	1	500	60	6	SR	RB	

Comments: Resampling from shallow creek without habitat to support fish pop., likely stress out. 13% (20.5)

(56)

NET / TRAP SPECIFICATIONS												
GEAR SPECIFICATIONS	NET	TRAP	DATE	TIME	LOC	TIME	TIME	TIME	TIME	TIME	TIME	TIME
	RB	A	165									
ELECTRONS SPECIFICATIONS	198				837				0	100	70	SR RE
COMMENTS												

NET / TRAP SPECIFICATIONS												
GEAR SPECIFICATIONS	NET	TRAP	DATE	TIME	LOC	TIME	TIME	TIME	TIME	TIME	TIME	TIME
ELECTRONS SPECIFICATIONS												
COMMENTS	<p>c - 50m from road to TAMZA / muddy - grassy, dry gully - not a creek - TAMZA is on road</p>											

NET / TRAP SPECIFICATIONS												
GEAR SPECIFICATIONS	NET	TRAP	DATE	TIME	LOC	TIME	TIME	TIME	TIME	TIME	TIME	TIME
ELECTRONS SPECIFICATIONS												
COMMENTS	<p>c - 50m = 50m up from road - real margin of TAMZ - accessible but road is in old way in path of road → St @ Road way</p>											

NET / TRAP SPECIFICATIONS												
GEAR SPECIFICATIONS	NET	TRAP	DATE	TIME	LOC	TIME	TIME	TIME	TIME	TIME	TIME	TIME
ELECTRONS SPECIFICATIONS	200	G			172			0.7	0	700	70	U SR 128
COMMENTS	<p>- may be, but adjacent to road</p>											

FISH COLLECTION FORM

GAZETTED NAME: ALLIA

WATERSHED CODE: 0000

WATERBODY ID: 0000

PROJECT ID: 199910724

REACH #: 016

FISH PERMIT #: SR 12

DATE: 07/24/95

AGENCY: Colb

CREW: SR 12

SITE/METHOD	A. GEAR SETTINGS				B. NET/TRAP SPECIFICATIONS				
	SITE NO.	MTD/NO.	H/P	DATE IN	DATE OUT	TIME IN	TIME OUT	NO. OF BAGS	LENGTH
196	Gr 1	1	07/24/95	07/24/95	09:59	11:35	0	0	0

COMMENTS: @ Perry Rd.

C. ELECTROFISHER SPECIFICATIONS										
SITE NO.	MTD/NO.	H/P	VOLTAGE	CURRENT	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
196	Gr 1	1	700	6.0	6	SR	12			

FISH COLLECTION FORM

GAZETTED NAME: Dimeval

WATERSHED CODE: 51902A = A112

WATERBODY ID: 0000

PROJECT ID: 199911023

REACH #: 016

FISH PERMIT #: SR 12

DATE: 07/23/95

AGENCY: Colb

CREW: SR 12

CHANNEL: M 09 0.6 0.4 1.1 0.8

TEMP: 19.7

PH: 7.5

COND: 10.2

NO. OF BAGS: 0

LENGTH: 0

SITE/METHOD	A. GEAR SETTINGS				B. NET/TRAP SPECIFICATIONS				
	SITE NO.	MTD/NO.	H/P	DATE IN	DATE OUT	TIME IN	TIME OUT	NO. OF BAGS	LENGTH
197	Gr 1	1	07/23/95	07/23/95	11:20	11:35	0	100	0

COMMENTS: @ Perry Rd.

C. ELECTROFISHER SPECIFICATIONS									
SITE NO.	MTD/NO.	H/P	VOLTAGE	CURRENT	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
197	Gr 1	1	700	6.0	6	SR	12		

FISH COLLECTION FORM

GAZETTED NAME: ALLIA

WATERSHED CODE: 4161052971001206100391300

WATERBODY ID: 0000

PROJECT ID: 199910724

REACH #: 016

FISH PERMIT #: SR 12

DATE: 07/24/95

AGENCY: Colb

CREW: SR 12

SITE/METHOD	A. GEAR SETTINGS				B. NET/TRAP SPECIFICATIONS				
	SITE NO.	MTD/NO.	H/P	DATE IN	DATE OUT	TIME IN	TIME OUT	NO. OF BAGS	LENGTH
197	Gr 1	1	07/24/95	07/24/95	11:20	11:35	0	100	0

COMMENTS: @ Perry Rd.

C. ELECTROFISHER SPECIFICATIONS									
SITE NO.	MTD/NO.	H/P	VOLTAGE	CURRENT	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
197	Gr 1	1	700	6.0	6	SR	12		

FISH COLLECTION FORM

GAZETTED NAME: JAM 2

WATERSHED CODE: 0000

WATERBODY ID: 0000

PROJECT ID: 199910723

REACH #: 016

FISH PERMIT #: SR 12

DATE: 07/23/95

AGENCY: Colb

CREW: SR 12

CHANNEL: 4.0 1.6 2.2 1.7 0.1 1.3

TEMP: 19.8

PH: 7.5

COND: 10.2

NO. OF BAGS: 0

LENGTH: 0

SITE/METHOD	A. GEAR SETTINGS				B. NET/TRAP SPECIFICATIONS				
	SITE NO.	MTD/NO.	H/P	DATE IN	DATE OUT	TIME IN	TIME OUT	NO. OF BAGS	LENGTH
198	Gr 1	1	07/23/95	07/23/95	11:20	11:35	0	100	0

COMMENTS: @ Perry Rd.

C. ELECTROFISHER SPECIFICATIONS									
SITE NO.	MTD/NO.	H/P	VOLTAGE	CURRENT	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH	WAVELENGTH
198	Gr 1	1	700	6.0	6	SR	12		

SITE CARD

Airport C 51901F

3-193 1.98.91.02.23 1.11.10.15 COL6 HJ HJ FT

CHANNEL: 6E6 57 4.5 4.73 30 4.5 8.6 2.10 6E

WATER: 4.5 4.73 30 4.5 8.6 2.10 6E

COVER: T T D T T S T

LOC: 0 1 0 3 4 5

INIT SHR PS YF MF NA

FISH COLLECTION FORM

Airport C 51901F

3-193 1.98.91.02.23 1.11.10.15 COL6 HJ HJ

WATER: 4.5 4.73 30 4.5 8.6 2.10 6E

WATER TYPE: LAKE STREAM WETLAND

SITE: RE-SAMPLE

193 En 0.4.5 30 C

FISH SUMMARY:

193	EE11	1	NFC	0
193	EE11	2	NFC	0

FISH COLLECTION FORM

44100 (Dood) ALL4

WATERSHED CODE: 461092971012106008416101

PROJECT ID: 199A9107241074 AGENCY: COL6 CREW: SR AT

DATE: 199A9107241074

194 En 1.5 C 194 EE11 NFC 0

A. GEAR SETTINGS

C	SITE NO.	MTD./NO.	H/P	DATE IN	DATE OUT	TIME IN	TIME OUT	SP. NO.	LENGTH	WIDTH	ENCL.	NET TYPE	LENGTH	DEPTH	WATER SIZE	BT	NO.
C	194	EE11	1	07/24/95	07/24/95	104											

B. NET / TRAP SPECIFICATIONS

2 Perry Rd.

C. ELECTROFISHER SPECIFICATIONS

C	SITE NO.	MTD./NO.	H/P	VOLTAGE	CURRENT	PULSE	MARK	MARK 13	MARK 14
C	194	EE11	1	700	60	6	SR	128	

FISH COLLECTION FORM

44100 (Dood) ALL3

WATERSHED CODE: 461092971012106008416101

PROJECT ID: 199A9107241074 AGENCY: COL6 CREW: SR AT

DATE: 199A9107241074

195 En 1.5 C 195 EE11 NFC 0

A. GEAR SETTINGS

C	SITE NO.	MTD./NO.	H/P	DATE IN	DATE OUT	TIME IN	TIME OUT	SP. NO.	LENGTH	WIDTH	ENCL.	NET TYPE	LENGTH	DEPTH	WATER SIZE	BT	NO.
C	195	EE11	1	07/24/95	07/24/95	144											

B. NET / TRAP SPECIFICATIONS

2 Perry Rd.

C. ELECTROFISHER SPECIFICATIONS

C	SITE NO.	MTD./NO.	H/P	VOLTAGE	CURRENT	PULSE	MARK	MARK 13	MARK 14
C	195	EE11	1	600	60	6	SR	128	

HABITAT QUALITY: None

FSZ

PHOTO DOCUMENTATION

34	19	39	40	11.20
34	20	37	38	11.21

WILDLIFE

COMMENTS

c ~ 200 m from the mouth (beginning of rock 2?)
 Very small channel with a lot of underground flow, sometimes can be turbulent

(56)

NET/TRAP SPECIFICATIONS

GEAR SPECIFICATIONS

ELECTROFISHER SPECIFICATIONS

190	EF	1	11.20	11.25	117	105	2	0	500	70	6	SR	12B
190	EF	2	11.25	11.35	120	105	2	0	600	60	4	SR	12B

COMMENTS

HABITAT QUALITY: Excellent hole loc RB, many deep pools for RFO spawning potential. Several large gravel pockets in small creeks/eddies. No fish caught b/w 1st cascade & falls. If there is fish above falls we have more caught below.

FSZ

PHOTO DOCUMENTATION

15	17	or	b	1045
----	----	----	---	------

WILDLIFE

OR American dipper

COMMENTS

c site 450 m w/s from Perry Rd ring

No Resident RB population

2nd set of 12m falls 140 m w/s from 1st

(57)

NET/TRAP SPECIFICATIONS

GEAR SPECIFICATIONS

ELECTROFISHER SPECIFICATIONS

192	EF	1	11.00	10.20	696	130	4	0	800	90	8	SR	12B
-----	----	---	-------	-------	-----	-----	---	---	-----	----	---	----	-----

COMMENTS

END4-A

2 - 190

120 192

12/18/2016 11:12:00 2016 NJ 88 FT

CHANNEL: MS.2.3.5.2.1 4.5 °C

MS.2.0.0.1.1 6 7

MS.02.02.0.03 7 7

24.04.03.83 L M H No Via. Ch. Dryflat. DW Tribes.

Type: SWD LWD B U DP OV IV 3 - 6 RP

AMT: T S - - - D -

LOC: 0 1 2 3 4 5 C1 C2 C3 C4 C5 S1 S2 S3 S4 S5

COVER: NFA E AMV TM ME IM IR SP ST

UV 0 UV 0 N O I F S AN

B C B R A B C B R A (N) SIDE DIAG MID SPAN BR

NG S C D M W NG S C D M W DC PC CD

INIT SHR PS YF MFNA INIT SHR PS YF MFNA EN CD FC OC UN N/A

FEATURES: R F

END4-A

2 -

12/18/2016 11:12:00 2016 NJ 88 FT

190

190 EF 1 NFC 0

Airport C.

51901F

2 - 192

140 140

12/18/2016 10:00:00 2016 NJ 85 85 FT

CHANNEL: GE 6 8 3.5 4.5 °C

GE 4 3.5 14 16 8.6 °C

MS.1.8.1.0.9.1.4

10.1.5.0.8.6 L M H No Via. Ch. Dryflat. DW Tribes.

Type: SWD LWD B U DP OV IV 4000 R B

AMT: - - S - D T -

LOC: 0 1 2 3 4 5 C1 C2 C3 C4 C5 S1 S2 S3 S4 S5

COVER: A C E AMV TM ME IM IR SP ST

U D S O U D S O N O I F S AN

F G C D A F G C D A (N) SIDE DIAG MID SPAN BR

NG S C D M W NG S C D M W DC PC CD

INIT SHR PS YF MFNA INIT SHR PS YF MFNA EN CD FC OC UN N/A

FEATURES: R F

C: E 11 1 GE RLS F13 10.25 @ 425m

11 RLS F14 10.31 @ 420m (HAREK)

11 RLS F15 10.53 @ 420m (MAL)

C/F 2.3.6E RLS F22 11.57 @ 330m

Airport C

51901F

2 -

12/18/2016 11:17:00 2016 NJ 85 85 FT

192

192 EF 11 7 NFC 0

HABITAT QUALITY
 Moderate running, habitat - some pools. - if there would be a flow

FSZ □

PHOTO DOCUMENTATION

34	25	38	up	11.25	(picnic starts out of the pool)

WILDLIFE OBSERVATIONS

COMMENTS

c Above the cascade
 some dry channels w/ 4 pools with water on ~ 100m. Bed covered with moss a lot of rocks, gravel, angular → flow is always low.

(56)

NET / TRAP SPECIFICATIONS

GEAR SPECIFICATIONS

188	EF11	1	12.11	12.15	35	4	.5	0	500	70	6	3R	12B
-----	------	---	-------	-------	----	---	----	---	-----	----	---	----	-----

ELECTROFISHER SPECIFICATIONS

COMMENTS

HABITAT QUALITY
 Running habitat moderate for the first 150m, although flow view low and there are signs of bigger flows, pools are very shallow, relatively steep gradient

FSZ □

PHOTO DOCUMENTATION

34	17	38	up	11.08
34	18	37	DN	11.09

WILDLIFE OBSERVATIONS

COMMENTS

c 6hr at the marsh
 Creek with very limited flow and no deep pools, steep gradient. In some places (190m upstream) bed up to quite a bit underwater flow.
 After ~ 150 meters it levels off to 6-7% gradient

(54)

There are possibly low fish to get there but only with most flow

NET / TRAP SPECIFICATIONS

GEAR SPECIFICATIONS

189	EF1	1	11.05	11.20	240	180	.3	0	500	20	11	5R	12B
-----	-----	---	-------	-------	-----	-----	----	---	-----	----	----	----	-----

ELECTROFISHER SPECIFICATIONS

COMMENTS

SITE CARD

END 4

DATE: 1.8.81 10.10.84 1.2.80 189 140 HFC ACCESS FT

CHANNEL: MS 2.9 .5 .5 .6 7.8 5 5 5

MS 0 0 .5 .4 0 7.8 5 5

MS 0 0 .05 .05 7.8 5 5

1.5 1.10 1.15 MS OM H No Vis. Ch. DW Dry/Net. Trib. T

Type SWD LWD B U DP OV IV 0 1 2 3 4 5

AMT S T T - D - T

LOC

COVER: NFA (E) U(V)SO (F)GCBRA (N)GSCDMW INIT SHR PS YF NA

U(V)SO (F)GCBRA (N)GSCDMW INIT SHR PS YF NA

U(V)SO (F)GCBRA (N)GSCDMW INIT SHR PS YF NA

U(V)SO (F)GCBRA (N)GSCDMW INIT SHR PS YF NA

01 B1 B2 B3 D1 D2 D3

C1 C2 C3 C4 C5 S1 S2 S3 S4 S5

TM ME IM (R) SI ST

(N) SIDE DIAG MID SPAN BR

DC (P) CO

EN CO FC (C) UN N/A

FEATURES: R F

END 4

DATE: 1.8.81 10.10.84 1.2.80 189 140 HFC ACCESS FT

CHANNEL: MS 2.9 .5 .5 .6 7.8 5 5 5

MS 0 0 .5 .4 0 7.8 5 5

MS 0 0 .05 .05 7.8 5 5

1.5 1.10 1.15 MS OM H No Vis. Ch. DW Dry/Net. Trib. T

Type SWD LWD B U DP OV IV 0 1 2 3 4 5

AMT S T T - D - T

LOC

COVER: NFA (E) U(V)SO (F)GCBRA (N)GSCDMW INIT SHR PS YF NA

U(V)SO (F)GCBRA (N)GSCDMW INIT SHR PS YF NA

U(V)SO (F)GCBRA (N)GSCDMW INIT SHR PS YF NA

U(V)SO (F)GCBRA (N)GSCDMW INIT SHR PS YF NA

01 B1 B2 B3 D1 D2 D3

C1 C2 C3 C4 C5 S1 S2 S3 S4 S5

TM ME IM (R) SI ST

(N) SIDE DIAG MID SPAN BR

DC (P) CO

EN CO FC (C) UN N/A

FEATURES: R F

SITE/METHOD: 188 EF1 1 NFP 0

FISH SUMMARY: 188 EF1 1 NFP 0

END 4-A

DATE: 1.8.81 10.10.84 1.01.85 189 150 HFC ACCESS FT

CHANNEL: MS 4.5 .4 .02 .3 12.10 4.5 5 5

MS 2.4 .4 0 .2 12.10 4.5 5 5

.02 .03 .02 4 .02 .02 14.8 5 5

.45 .07 .05 MS OM H No Vis. Ch. DW Dry/Net. Trib. T

Type SWD LWD B U DP OV IV 0 1 2 3 4 5

AMT T T T - S D T

LOC

COVER: NFA (E) U(V)SO (F)GCBRA (N)GSCDMW INIT SHR PS YF NA

U(V)SO (F)GCBRA (N)GSCDMW INIT SHR PS YF NA

U(V)SO (F)GCBRA (N)GSCDMW INIT SHR PS YF NA

U(V)SO (F)GCBRA (N)GSCDMW INIT SHR PS YF NA

01 B1 B2 B3 D1 D2 D3

C1 C2 C3 C4 C5 S1 S2 S3 S4 S5

TM ME IM (R) SI ST

(N) SIDE DIAG MID SPAN BR

DC (P) CO

EN CO FC (C) UN N/A

FEATURES: R F

END 4-A

DATE: 1.8.81 10.10.84 1.01.85 189 150 HFC ACCESS FT

CHANNEL: MS 4.5 .4 .02 .3 12.10 4.5 5 5

MS 2.4 .4 0 .2 12.10 4.5 5 5

.02 .03 .02 4 .02 .02 14.8 5 5

.45 .07 .05 MS OM H No Vis. Ch. DW Dry/Net. Trib. T

Type SWD LWD B U DP OV IV 0 1 2 3 4 5

AMT T T T - S D T

LOC

COVER: NFA (E) U(V)SO (F)GCBRA (N)GSCDMW INIT SHR PS YF NA

U(V)SO (F)GCBRA (N)GSCDMW INIT SHR PS YF NA

U(V)SO (F)GCBRA (N)GSCDMW INIT SHR PS YF NA

U(V)SO (F)GCBRA (N)GSCDMW INIT SHR PS YF NA

01 B1 B2 B3 D1 D2 D3

C1 C2 C3 C4 C5 S1 S2 S3 S4 S5

TM ME IM (R) SI ST

(N) SIDE DIAG MID SPAN BR

DC (P) CO

EN CO FC (C) UN N/A

FEATURES: R F

SITE/METHOD: 189 EF1 1 NFP 0

FISH SUMMARY: 189 EF1 1 NFP 0

NET/TRAP SPECIFICATIONS												
DATE	TIME IN	TIME OUT	NET	TRAP	DEPTH	WIND	TEMP	REL. HUM.	MOON	SEA	WAVE	WIND
185	EF	11										
185	EF	17										

HABITAT QUALITY: Poorish habitat moderate to good, but there is no flow, only few pools separated by dry channels.

DATE	TIME IN	TIME OUT	NET	TRAP	DEPTH	WIND	TEMP	REL. HUM.	MOON	SEA	WAVE	WIND
34	28	39	DN									
34	28	38	UP									

COMMENTS: At the mouth very limited flow, but wire channel with gravel bed. With good flow it can be accessible for fish. The only fish caught = 3cm from the mouth, distance from the tributary which carries most of the water.

NET/TRAP SPECIFICATIONS												
DATE	TIME IN	TIME OUT	NET	TRAP	DEPTH	WIND	TEMP	REL. HUM.	MOON	SEA	WAVE	WIND
186	EF	11										

HABITAT QUALITY: Moderate habitat for rearing if fish ever get there.

DATE	TIME IN	TIME OUT	NET	TRAP	DEPTH	WIND	TEMP	REL. HUM.	MOON	SEA	WAVE	WIND
34	23	38	UP									

COMMENTS: At the beginning of the reach 2 channel is deep, probably most of the reach - gravel is mostly angular and often covered with weeds. If fish ever get there then the escape is the barrier (2%).

FISH COLLECTION FORM

WATER TYPE: LAKE STREAM WETLAND

AGENCY: 6063A

SITE NAME: 185

DATE: 11/11/04

COLLECTOR: [blank]

PERMIT: [blank]

RE-SAMPLE:

DEPTH: 0

TIME: 9

WATER TEMP: [blank]

WATER QUALITY: T M L C

COVER: [blank]

FEATURES: [blank]

END 4

186

11/11/04

606

MS 1.4 1.2 1.3 1.0

AS 0 0 1.1 0

MS 0 0 0 0

DEPTH: 0

TIME: 6:4

WATER TEMP: 5 °C

WATER QUALITY: T M L C

COVER: [blank]

FEATURES: [blank]

END 4

186

11/11/04

606

MS 1.4 1.3 1.0

AS 0 0 1.1 0

MS 0 0 0 0

DEPTH: 0

TIME: 152

WATER TEMP: [blank]

WATER QUALITY: T M L C

COVER: [blank]

FEATURES: [blank]

END 4

187

11/21/04

606

MS 1.4 3.7 5.1 0

AS 0 0 0 0

MS 0 0 0 0

DEPTH: 0

TIME: 12:12

WATER TEMP: 22 °C

WATER QUALITY: T M L C

COVER: [blank]

FEATURES: [blank]

12:12 cascade, with a gradient of 22°C, on whole length. There is not even one pool. 1950 ft only

HABITAT QUALITY

FSZ

PHOTO DOCUMENTATION

TIME	DATE	TIME	DATE
5	5	11	15:02
5	5	11	16:00

WILDLIFE OBSERVATIONS

COMMENTS

150

NET/TRAP SPECIFICATIONS

C	NET	DATE	MAIL	DATE IN	TIME IN	DATE OUT	TIME OUT	NET TYPE	LENGTH	DEPTH	HEIGHT	WIRE	DOOR	TRAP
	183	6/11	1	14:05	14:14	3:01	1:15	0.9	100	60	6	SR	110	

COMMENTS

below corral → no box but new box - accessible to corral

Nov. Apr. 1988

NO 005077

NET/TRAP SPECIFICATIONS

C	NET	DATE	MAIL	DATE IN	TIME IN	DATE OUT	TIME OUT	NET TYPE	LENGTH	DEPTH	HEIGHT	WIRE	DOOR	TRAP
	184	6/11	1	14:05	14:11	0.5	0	100	70	4	SR	120		

COMMENTS

shallow step track or div
same wire grid should - no box
of above corral

HABITAT QUALITY

FSZ

PHOTO DOCUMENTATION

TIME	DATE	TIME	DATE
5	4	5	11
5	5	5	11

WILDLIFE OBSERVATIONS

COMMENTS

greek - 3 to 4 FM/R appear
Sill below Plat R3
Site = from main to 99m vic
- most/strong good conditions
lots of obs. Fe in dpt
- low

no box A main limited box
- both similar looks
SG - WIP

SITE CARD

ENDS

WATER: LAKE STREAM WETLAND

WATERSHED: W/AG W/AG W/AG

WATERBODY: W/AG W/AG

REACH: W/AG W/AG

DATE: 1/10/07 AGENCY: CO16 CRY: R 153 RE-SAMPLE:

NO. 183

CHANNEL: W/AG W/AG W/AG

TEMP: 8.2 °C

PH: 7.1

DO: 2.0

NO. VIB. CH. DW: TRIBE:

DEPTH: 0 1 2 3 4 5

COVER:

SWD	LWD	B	U	DP	OV	IV
AMT						
LOC						

INIT SHR PS YF MFNA

FEATURES:

C: W/AG

ENDS

WATER: LAKE STREAM WETLAND

WATERSHED: W/AG W/AG

WATERBODY: W/AG W/AG

REACH: W/AG W/AG

DATE: 1/10/07 AGENCY: CO16 CRY: R 153 RE-SAMPLE:

NO. 183

CHANNEL: W/AG W/AG W/AG

TEMP: 8.2 °C

PH: 7.1

DO: 2.0

NO. VIB. CH. DW: TRIBE:

DEPTH: 0 1 2 3 4 5

COVER:

SWD	LWD	B	U	DP	OV	IV
AMT						
LOC						

INIT SHR PS YF MFNA

FEATURES:

C: W/AG

ENDS

WATER: LAKE STREAM WETLAND

WATERSHED: W/AG W/AG

WATERBODY: W/AG W/AG

REACH: W/AG W/AG

DATE: 1/10/07 AGENCY: CO16 CRY: R 153 RE-SAMPLE:

NO. 184

CHANNEL: W/AG W/AG W/AG

TEMP: 8.5 °C

PH: 7.1

DO: 2.0

NO. VIB. CH. DW: TRIBE:

DEPTH: 0 1 2 3 4 5

COVER:

SWD	LWD	B	U	DP	OV	IV
AMT						
LOC						

INIT SHR PS YF MFNA

FEATURES:

C: W/AG

ENDS

WATER: LAKE STREAM WETLAND

WATERSHED: W/AG W/AG

WATERBODY: W/AG W/AG

REACH: W/AG W/AG

DATE: 1/10/07 AGENCY: CO16 CRY: R 153 RE-SAMPLE:

NO. 185

CHANNEL: W/AG W/AG W/AG

TEMP: 8.5 °C

PH: 7.1

DO: 2.0

NO. VIB. CH. DW: TRIBE:

DEPTH: 0 1 2 3 4 5

COVER:

SWD	LWD	B	U	DP	OV	IV
AMT						
LOC						

INIT SHR PS YF MFNA

FEATURES:

C: W/AG

FISH COLLECTION FORM

R.B. LAKE STREAM WETLAND

SITE NO. 180

WATERBODY CODE: 180374900952001A00

PROJECT ID: 180374900952001A00

DATE: 10/10/16

AGENCY: COLLEGE

RE-SAMPLE:

SITE/METHOD: 180 EF

FISH SUMMARY:

180	EF	1	NEP	0	-no hit
-----	----	---	-----	---	---------

FISH COLLECTION FORM

R.B. LAKE STREAM WETLAND

SITE NO. 181

WATERBODY CODE: 180374900952001A00

PROJECT ID: 180374900952001A00

DATE: 10/10/16

AGENCY: COLLEGE

RE-SAMPLE:

SITE/METHOD: 181 EF

FISH SUMMARY:

181	EF	1	NEP	0	-no hit
-----	----	---	-----	---	---------

COMMENTS: 2nd sampling above falls. Excellent w/b. Not available but inaccessible.

(55)

FISH COLLECTION FORM

R.B. LAKE STREAM WETLAND

SITE NO. 182

WATERBODY CODE: 180374900952001A00

PROJECT ID: 180374900952001A00

DATE: 10/10/16

AGENCY: COLLEGE

RE-SAMPLE:

SITE/METHOD: 182 EF

FISH SUMMARY:

182	EF	1	NEP	0	-no hit
-----	----	---	-----	---	---------

FISH COLLECTION FORM

R.B. LAKE STREAM WETLAND

SITE NO. 182

WATERBODY CODE: 180374900952001A00

PROJECT ID: 180374900952001A00

DATE: 10/10/16

AGENCY: COLLEGE

RE-SAMPLE:

SITE/METHOD: 182

FISH SUMMARY:

182	EF	1	NEP	0	-no hit
-----	----	---	-----	---	---------

FISH COLLECTION FORM

RENOWN LAKE STREAM WETLAND

WATER PERMIT ATTACHED Y N

176 RE-SAMPLE

SITE/METHOD

FISH SUMMARY

RENOWN C.

179 RE-SAMPLE

CHANNEL

WATER

TEMP **10.5** °C

DEPTH **0.2** m

COVER

FEATURES

RENOWN C.

179 RE-SAMPLE

CHANNEL

WATER

TEMP **10.5** °C

DEPTH **0.2** m

COVER

FEATURES

RENOWN LAKE STREAM WETLAND

WATER PERMIT ATTACHED Y N

180 RE-SAMPLE

SITE/METHOD

FISH SUMMARY

CHANNEL

WATER

TEMP **10.5** °C

DEPTH **0.2** m

COVER

FEATURES

NET / TRAP SPECIFICATIONS

GEAR SPECIFICATIONS

ELECTROFISHER SPECIFICATIONS

175	CE1			122	172	0.2	0	5.0	70	2	SR	128
175				122	172			5.0	70	2	SR	128

COMMENTS

... ..
... ..
... ..

INDIVIDUAL FISH DATA

R _ F _
R _ F _
R _ F _
R _ F _
R _ F _
R _ F _
R _ F _
R _ F _
R _ F _
R _ F _
R _ F _
R _ F _
R _ F _
R _ F _
R _ F _
R _ F _

COMMENTS

NET / TRAP SPECIFICATIONS

GEAR SPECIFICATIONS

ELECTROFISHER SPECIFICATIONS

177	81				5	3	2	0	600	70	4	SR	128
-----	----	--	--	--	---	---	---	---	-----	----	---	----	-----

COMMENTS

HABITAT QUALITY

- Good sloping to lake
- most of vegetation - Fr.
- most DW in deeper pools

PHOTO DOCUMENTATION

5	8	ST	N	8.45
5	9	ST	UP	8.46

WILDLIFE

COMMENTS

1)
2)
3)
4)
5)

FISH COLLECTION FORM

62522A LAKE STREAM WETLAND

WATERBODY ID: 1AAR 07126

PROJECT ID: 16

DATE: 1/19/19

AGENCY: 6016

CREW: SC, MJ

SITE/METHOD: 175 EF1

FISH SUMMARY:

FISH COLLECTION FORM

62522B

WATERSHED CODE: 1801374000195200191A0019560

PROJECT ID: 16

DATE: 1/19/19

AGENCY: 6016

CREW: SC, MJ

SITE/METHOD: 176 EF1

SPICES: NR

STAGE: 0

TABLE: 0

COMMENTS: Excellent habitat but isolated by 2.5m falls in Allen C. (Endtree Reach 4). Site @ rd side.

A. GEAR SETTINGS: DATE IN: 07/22/15, DATE OUT: 07/22/15, TIME: 1545, LENGTH: 353, WIDTH: 200, NET TYPE: 2

B. NET/TRAP SPECIFICATIONS: LENGTH: 60, WIDTH: 6, SPAN: 6, BR: 12.5

C. ELECTROFISHER SPECIFICATIONS: VOLTAGE: 60V, AMPERE: 6A, PULSE RATE: 6, PULSE WIDTH: 6, PULSE PERIOD: 6, PULSE DURATION: 6, PULSE OFF TIME: 6, PULSE ON TIME: 6, PULSE OFF PERCENT: 6, PULSE ON PERCENT: 6, PULSE OFF DURATION: 6, PULSE ON DURATION: 6, PULSE OFF PERIOD: 6, PULSE ON PERIOD: 6, PULSE OFF DURATION PERCENT: 6, PULSE ON DURATION PERCENT: 6, PULSE OFF PERIOD PERCENT: 6, PULSE ON PERIOD PERCENT: 6

FISH COLLECTION FORM

62522C

WATERSHED CODE: 1801374000195200191A0019560

PROJECT ID: 16

DATE: 1/19/19

AGENCY: 6016

CREW: SC, MJ

SITE/METHOD: 177 EF1

SPICES: NR

STAGE: 0

TABLE: 0

COMMENTS: Excellent habitat but isolated by 2.5m falls in Allen C. (Endtree Reach 4). Site @ rd side.

A. GEAR SETTINGS: DATE IN: 07/22/15, DATE OUT: 07/22/15, TIME: 1545, LENGTH: 353, WIDTH: 200, NET TYPE: 2

B. NET/TRAP SPECIFICATIONS: LENGTH: 60, WIDTH: 6, SPAN: 6, BR: 12.5

C. ELECTROFISHER SPECIFICATIONS: VOLTAGE: 60V, AMPERE: 6A, PULSE RATE: 6, PULSE WIDTH: 6, PULSE PERIOD: 6, PULSE DURATION: 6, PULSE OFF TIME: 6, PULSE ON TIME: 6, PULSE OFF PERCENT: 6, PULSE ON PERCENT: 6, PULSE OFF DURATION: 6, PULSE ON DURATION: 6, PULSE OFF PERIOD: 6, PULSE ON PERIOD: 6, PULSE OFF DURATION PERCENT: 6, PULSE ON DURATION PERCENT: 6, PULSE OFF PERIOD PERCENT: 6, PULSE ON PERIOD PERCENT: 6

FISH COLLECTION FORM

62522D

WATERSHED CODE: 1801374000195200191A0019560

PROJECT ID: 16

DATE: 1/19/19

AGENCY: 6016

CREW: SC, MJ

SITE/METHOD: 178 EF1

SPICES: NR

STAGE: 0

TABLE: 0

COMMENTS: Excellent habitat but isolated by 2.5m falls in Allen C. (Endtree Reach 4). Site @ rd side.

A. GEAR SETTINGS: DATE IN: 07/22/15, DATE OUT: 07/22/15, TIME: 1545, LENGTH: 353, WIDTH: 200, NET TYPE: 2

B. NET/TRAP SPECIFICATIONS: LENGTH: 60, WIDTH: 6, SPAN: 6, BR: 12.5

C. ELECTROFISHER SPECIFICATIONS: VOLTAGE: 60V, AMPERE: 6A, PULSE RATE: 6, PULSE WIDTH: 6, PULSE PERIOD: 6, PULSE DURATION: 6, PULSE OFF TIME: 6, PULSE ON TIME: 6, PULSE OFF PERCENT: 6, PULSE ON PERCENT: 6, PULSE OFF DURATION: 6, PULSE ON DURATION: 6, PULSE OFF PERIOD: 6, PULSE ON PERIOD: 6, PULSE OFF DURATION PERCENT: 6, PULSE ON DURATION PERCENT: 6, PULSE OFF PERIOD PERCENT: 6, PULSE ON PERIOD PERCENT: 6

HABITAT QUALITY

FSZ

PHOTO DOCUMENTATION

S	12	SR	D	11:28
S	13	SR	U	11:29

WILDLIFE

COMMENTS

C Site - SR road side

NET / TRAP SPECIFICATIONS

GEAR SPECIFICATIONS

TRAP	DATE	TIME	TYPE	NO.	SIZE	DEPTH	HEIGHT	WIDTH	LENGTH	OTHER			
173	CE	1	11:29	11:25	52	195	03	0	500	90	6	SR	DB

ELECTROFISHER SPECIFICATIONS

COMMENTS

1. 1000 G. PV. 100!

Apr. 1988

No 005310

NET / TRAP SPECIFICATIONS

GEAR SPECIFICATIONS

DB	J	70
----	---	----

ELECTROFISHER SPECIFICATIONS

174	EE	1	20	5	3	7	500	80	6	ER	12B
-----	----	---	----	---	---	---	-----	----	---	----	-----

COMMENTS

HABITAT QUALITY

FSZ

PHOTO DOCUMENTATION

S	14	SR	SR	12:32	- only photo app to track
---	----	----	----	-------	---------------------------

WILDLIFE

COMMENTS

C Site - @ SR road side to 170m NSC

1. 1000 G. PV. 100!

NET / TRAP SPECIFICATIONS

NET / TRAP SPECIFICATIONS											
DATE	TIME	DATE OUT	TIME OUT	LENGTH	HEIGHT	WIDTH	NET	TRAP	TYPE	NO.	MARK
RB	174										
1 EP 1 3 1 1.5 0 400 60 5 SR RB											
1 Above falls - NFP											

Rev. Apr. 1981

HABITAT QUALITY

Recent hole for RIS but isolated above falls

FSZ

PHOTO DOCUMENTATION

WILDLIFE OBSERVATIONS

WILDLIFE IDENTIFICATIONS

COMMENTS

1 side with above falls

SG

NET / TRAP SPECIFICATIONS

NET / TRAP SPECIFICATIONS											
DATE	TIME	DATE OUT	TIME OUT	LENGTH	HEIGHT	WIDTH	NET	TRAP	TYPE	NO.	MARK
171	EP 1			443	250	1.5	0	400	60	6	SR 12B
171	EP 1			364	250	1.5	0	400	70	6	SR 12B

Rev. Apr. 1981

No 006431

CAMO

NET / TRAP SPECIFICATIONS

NET / TRAP SPECIFICATIONS											
DATE	TIME	DATE OUT	TIME OUT	LENGTH	HEIGHT	WIDTH	NET	TRAP	TYPE	NO.	MARK
172	EP 1	1245	1440	104	95	0.7	0	700	60	6	SR 12B

- from old 0 < above falls in previous attempt - No fish

FISH COLLECTION FORM

END TR 1 LAKE STREAM WETLAND

WATER YEAR: 1987 PROJECT: 101 AGENCY: COLC CREW: MT, MT RE-SAMPLE

DATE: 1/10/87 TIME: 170 SITE UTM: ELEVATION: 125 COMMENTS: C

FISH SUMMARY	170	EE	1	RIS	A	0	0
	170	EE	1	RIS	A	174	174

END TR 1 → cont'd

WATER YEAR: 1987 PROJECT: 171 AGENCY: COLC CREW: MT, MT V4 RE-SAMPLE

DATE: 1/10/87 TIME: 171 SITE UTM: ELEVATION: 250.00 COMMENTS: V4

FISH SUMMARY	171	EE	1	RIS	A	0	0
	171	EE	2	RIS	A	0	0

END TR 1 → cont'd

WATER YEAR: 1987 PROJECT: 171 AGENCY: COLC CREW: MT, MT V4 RE-SAMPLE

DATE: 1/10/87 TIME: 171 SITE UTM: ELEVATION: 250.00 COMMENTS: V4

FISH SUMMARY	171	EE	1	RIS	A	0	0
	171	EE	2	RIS	A	0	0

END TR 1 → cont'd

WATER YEAR: 1987 PROJECT: 172 AGENCY: COLC CREW: MT, MT V4 RE-SAMPLE

DATE: 1/10/87 TIME: 172 SITE UTM: ELEVATION: 250.00 COMMENTS: V4

FISH SUMMARY	172	EE	1	RIS	A	0	0
	172	EE	2	RIS	A	0	0

NET / TRAP SPECIFICATIONS												
C	NO.	DATE	TIME IN	TIME OUT	NO. OF NETS	NO. OF TRAPS	NO. OF BATS	NO. OF INSECTS	NO. OF OTHERS	NO. OF SPECIES	NO. OF INDIVIDUALS	NO. OF SEXES
GEAR SPECIFICATIONS	AR	8/21 J										
	RS	109 A	1680									
	RS	109 J	1680									
		176	2800									
		177	2800									
		178	2800									
ELECTROFISHER SPECIFICATIONS	168	EF	1		12	12	12	7	400	20	6	SR 12B
	COMMENTS											

HABITAT QUALITY
 Stream flows through low. Good vegetation in deep banks & under tatters. Spawning low in gravel patches but lots of organic material. Overmuddying fair - not many pools > 0.5 m.

FSD		STATE	NO.	DATE/TIME
PHOTO DOCUMENTATION	4	19	UP	1440
	4	20	DN	1441
WILDLIFE OBSERVATIONS	WILDLIFE OBSERVATIONS			
	WILDLIFE OBSERVATIONS			
COMMENTS	0 site 385 - d/s from upper c			
	<div style="text-align: center;">53</div> Good ... as well			

NET / TRAP SPECIFICATIONS												
C	NO.	DATE	TIME IN	TIME OUT	NO. OF NETS	NO. OF TRAPS	NO. OF BATS	NO. OF INSECTS	NO. OF OTHERS	NO. OF SPECIES	NO. OF INDIVIDUALS	NO. OF SEXES
GEAR SPECIFICATIONS	KP	176	2800									
	RS	177	2800									
		178	2800									
		177	2800									
		172	...									
	ELECTROFISHER SPECIFICATIONS	169	EF	1		146	120	0.8	10	400	20	6
COMMENTS												

HABITAT QUALITY
 Small or cascades & pools provide good rearing & overwintering. Low

FSD		STATE	NO.	DATE/TIME
PHOTO DOCUMENTATION	4	22	UP	1509
	4	23	DN	1510
WILDLIFE OBSERVATIONS	WILDLIFE OBSERVATIONS			
	WILDLIFE OBSERVATIONS			
COMMENTS	<div style="text-align: center;">53</div>			

NET / TRAP SPECIFICATIONS

TRAP NO	TRAP TYPE	TRAP DATE	TRAP TIME	TRAP SET	TRAP DATE	TRAP TIME	TRAP SET	TRAP DATE	TRAP TIME	TRAP SET	TRAP DATE	TRAP TIME	TRAP SET	TRAP DATE	TRAP TIME	TRAP SET	TRAP DATE	TRAP TIME	TRAP SET	TRAP DATE	TRAP TIME	
166	ST	1			21	530	10	0	400	80	6	SR	12E									

GEAR SPECIFICATIONS

ELECTROFISHER SPECIFICATIONS

COMMENTS

HABITAT QUALITY
 LOD. Pond situated in oak thick. Excellent covering in LOD. diurnal.
 mostly. Some water used to seed -> water travels but also in places
 in LOD. Very little water. Overwintering pair as not too many
 deep holes (>10cm).

PS2

DATE	TIME	COMMENT
4	14	Sn 0734
4	15	Up 0735

WILDLIFE DOCUMENTATION

WILDLIFE

COMMENTS

Site from Marsh Rd 214 w/s

NET / TRAP SPECIFICATIONS

TRAP NO	TRAP TYPE	TRAP DATE	TRAP TIME	TRAP SET	TRAP DATE	TRAP TIME	TRAP SET	TRAP DATE	TRAP TIME	TRAP SET	TRAP DATE	TRAP TIME	TRAP SET	TRAP DATE	TRAP TIME	TRAP SET	TRAP DATE	TRAP TIME	TRAP SET	TRAP DATE	TRAP TIME	
167	ST	1			197	230	15	0	400	80	6											

GEAR SPECIFICATIONS

ELECTROFISHER SPECIFICATIONS

COMMENTS

HABITAT QUALITY
 Estuarine rivulet section with boulder cover mainly with
 some deeper pools. Reeds on pools. Overwintering pair
 in some pools. No spawning - substrate intertidal &
 windy. low abundance but 153

PS2

DATE	TIME	COMMENT
4	16	Sn 0916
4	17	Ny 0917

WILDLIFE DOCUMENTATION

WILDLIFE

COMMENTS

Reach 7 @ 0-875w n/s on Dam Rd
 Reach 8 @ 1-850
 Reach 9 @ 1-7330
 Site from 1-540 n/s for 120m

NET / TRAP SPECIFICATIONS												
C	DATE	TIME	DURATION	TIME OUT	MESH	MATERIAL	TYPE	SIZE	NO. OF	NO. OF	NO. OF	NO. OF
RB	11/31											
RB	11/31											
164 EE 1 76 80 07 0 400 80 6												

HABITAT QUALITY
 1st yr. 4 WRC creek although very low water level. Cover limiting due mainly to DSV and shallow & exposed pools. Very good exposure potential in deeper pools behind rocks. Overwintering sites of salmonids moderate as many semi-annual gravel & low water in summer. Why no fish.

FSZ

PHOTO DOCUMENTATION

4	7	DW	12:11
4	8	UP	12:14

WILDLIFE OBSERVATION

COMMENTS
 C Site = 175 m N from school
 id

NET / TRAP SPECIFICATIONS												
C	DATE	TIME	DURATION	TIME OUT	MESH	MATERIAL	TYPE	SIZE	NO. OF	NO. OF	NO. OF	NO. OF
165 EE 11 1 516 750 1.5 0 400 90 6 SE 12B												

HABITAT QUALITY
 Boulder - (not) too good seeing specimens in gravel (E)
 of habitat not very overwintering in some deeper pools
 cascade through rock rubble, impassable in pools between rocks. RB captured at base of cascade

FSZ

PHOTO DOCUMENTATION

4	9	UP	13:43
4	10		13:44
4	11	UP	14:22 (high gradient) cascade 24°

WILDLIFE OBSERVATION

COMMENTS
 C 890 m E site
 700 m - low reach
 (1) 890 RB seasonal riv
 (2) 1520 m site (rock) cascade 24°
 (3) 1700 m (high riv)

INDIVIDUAL FISH DATA																		
C	SITE	MTD/NO.	M/P	SPEC	LENGTH	WEIGHT	SEX	MATURE	VOUCHER #	DATE IN	DATE OUT	TIME IN	TIME OUT	NO. FISH	NO. SPECIES	NO. PER SPECIES	NO. PER 100	PHOTO
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
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																		R_F
																		R_F
																		R_F
																		R_F

COMMENT

C	SITE	MTD/NO.	M/P	SPEC	NET/TRAP SPECIFICATIONS														
					DATE IN	DATE OUT	TIME IN	TIME OUT	NO. FISH	NO. SPECIES	NO. PER SPECIES	NO. PER 100	PHOTO	REMARKS					
162	MT	1		2615	07/19/10	1730				1.0								BT L	
	MT	2		2615	07/19/10	1730				1.5									BT L
	MT	3		2615	07/19/10	1730				1.5									BT L
	MT	4		2615	07/19/10	1730				1.0									BT L

long channel with many nets & old BT's
Water murky & stagnant, not suitable habitat for BT's
sampled in 1986 -- no fish
No fish now as well

S6

stagnant reach with variable channel between BT's. the b/w BT's
Water stagnant with algae surface, orange algae in channel
surely H₂O. No hab for salamanders

S6

C	SITE	MTD/NO.	M/P	SPEC	DOCUMENTATION	
					DATE	BY
					Di	0736
					lp	0739

C	SITE	MTD/NO.	M/P	SPEC	WILDLIFE	
					DATE	BY
					@	rd xing to old block

C	SITE	MTD/NO.	M/P	SPEC	NET/TRAP SPECIFICATIONS													
					DATE IN	DATE OUT	TIME IN	TIME OUT	NO. FISH	NO. SPECIES	NO. PER SPECIES	NO. PER 100	PHOTO	REMARKS				
163	MT	1		365	470	1.4	0	400	100	6								S6

no hab for salamanders

S6

Pond = 0 and, Species = *Trichostema*

HABITAT QUALITY

FSQ

PHOTO DOCUMENTATION

S	15	ST	UP	14:05
S	16	ST	DN	14:06

WILDLIFE

COMMENTS

C

Notes: ...
 - catch in independent series of ...
 - don't catch ...
 - ...
 - ...
 - ...

NET / TRAP SPECIFICATIONS

GEAR SPECIFICATIONS

ELECTROSHOCK SPECIFICATIONS

158	ST	140m	1410	83	40	0.3	0	60	60	4	SR	ZB
-----	----	------	------	----	----	-----	---	----	----	---	----	----

COMMENTS

-stack core ...

INDIVIDUAL FISH DATA

C	SITE	MTD/NL	N/P	SPEC.	LENGTH	WEIGHT	SEX	MATURE	AGE	GENETIC	VOUCHER	GENETIC	COMMENTS	PHOTO
														R_F
														R_F
														R_F
														R_F
														R_F
														R_F
														R_F
														R_F
														R_F
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														R_F
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														R_F
														R_F

COMMENT

INDIVIDUAL FISH DATA

C	SITE	MTD/NL	N/P	SPEC.	LENGTH	WEIGHT	SEX	MATURE	AGE	GENETIC	VOUCHER	GENETIC	COMMENTS	PHOTO
														R_F
														R_F
														R_F
														R_F
														R_F
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														R_F
														R_F

COMMENT

C	NET / TRAP SPECIFICATIONS											
	TRAP	DATE IN	TIME IN	DATE OUT	TIME OUT	NETS	TRAPS	BAITS	NETS	TRAPS	BAITS	NETS
	155	1		4/21	11	0	600	60	6	SR	12B	
COMMENTS	Re-surveying - N.E. of main house before at all possible											

HABITAT QUALITY
 Excellent R & O. Splashing moderate in many semiregular gravel patches.

C	NET / TRAP SPECIFICATIONS											
	TRAP	DATE IN	TIME IN	DATE OUT	TIME OUT	NETS	TRAPS	BAITS	NETS	TRAPS	BAITS	NETS
	156	1		6/7	4:30	1.8	0	600	80	6	SR	12B
COMMENTS	<p>site was from camp with about 1/2 hr for 4-70 m. got that first second sampling revealed NFP in the system above falls above the head of falls NFP is not fish bearing</p> <p>shocked excellent RB habitat NFP due to falls present @ the beginning of reach. creek submitted above falls in 1997 - 2000</p>											

C	NET / TRAP SPECIFICATIONS											
	TRAP	DATE IN	TIME IN	DATE OUT	TIME OUT	NETS	TRAPS	BAITS	NETS	TRAPS	BAITS	NETS
	157	1		8/15	1.8	0	500	70	4	SR	12B	
COMMENTS	NFP - second sampling confirmed positive NFP above falls at the beginning of reach is not fish bearing											

C	NET / TRAP SPECIFICATIONS											
	TRAP	DATE IN	TIME IN	DATE OUT	TIME OUT	NETS	TRAPS	BAITS	NETS	TRAPS	BAITS	NETS
	156	1		8/15	1.8	0	500	70	4	SR	12B	
COMMENTS	- on form -> a RB record!											

HABITAT QUALITY	HABITAT TYPE	ZONE	QUALITY	SPECIES	COMMENTS
REARING HABITAT	P	P	P	AT	
SPAWNING HABITAT					
OVERWINTER HABITAT					
COVER					
OTHER					
FRZ: TRIB <input type="checkbox"/> SC <input type="checkbox"/> FC <input type="checkbox"/> SWP/SLG <input type="checkbox"/> R/BV <input type="checkbox"/>					
PHOTO DOCUMENTATION					
POLY: DATE: COMMENTS:					
- no channel to photograph					
WILDLIFE					
WILDLIFE OBSERVATIONS					
COMMENTS c - site - km reach - no data for 2 reaches - long substrate for 225m to Deckel - intermediate to dry for 225m a 6 ft in permitt for 225m no sampling					
c on side from Deckel (NPP)					

HABITAT QUALITY	HABITAT TYPE	ZONE	QUALITY	SPECIES	COMMENTS
REARING HABITAT	P	G	G	AF	
SPAWNING HABITAT		M			
OVERWINTER HABITAT		G			
COVER		G			
OTHER					
FRZ: TRIB <input type="checkbox"/> SC <input type="checkbox"/> FC <input type="checkbox"/> SWP/SLG <input type="checkbox"/> R/BV <input type="checkbox"/>					
PHOTO DOCUMENTATION					
POLY: DATE: COMMENTS:					
1 14 ST DN 10:14 1 15 ST UP 10:15					
WILDLIFE					
WILDLIFE OBSERVATIONS					
COMMENTS c - site - 225m up from Deckel to 495m - 225m site - no sampling reach - good cover with ext. pools for RB - no flow in ext. but provides confirmation of increased from reach 1.					
c (SC)					

INDIVIDUAL FISH DATA													
ID	SEX	HTD	WGL	M/P	SPC	LENGTH	WEIGHT	SEX	MATUR	AGE	YOUNGER	COMMENTS	PHOTO
													R_F
													R_F
													R_F
													R_F
													R_F
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													R_F
													R_F
													R_F
													R_F

~~NONE~~

HABITAT QUALITY	HABITAT TYPE	ZONE	QUALITY	SPECIES	COMMENTS
REARING HABITAT	F		F	RB	
SPAWNING HABITAT	P		P		
OVERWINTER HABITAT	P		P		
COVER	P		P		
OTHER					
FRZ: TRIB <input type="checkbox"/> SC <input type="checkbox"/> FC <input type="checkbox"/> SWP/SLG <input type="checkbox"/> R/BV <input type="checkbox"/>					
PHOTO DOCUMENTATION					
POLY: DATE: COMMENTS:					
12 KP 1503 13 DU 1509					
WILDLIFE					
WILDLIFE OBSERVATIONS					
COMMENTS c - upper dist. limits for RB due to lack of sufficient cover in last 150m of reach and in beginning of RB. trickle of H ₂ O among boulders. Creek scoured in 2009? 211					
c due to poor cover and insufficient and dry channel dully below					

INDIVIDUAL FISH DATA														
C	SITE	MTD/NO.	N/P	SPEC.	LENGTH	WEIGHT	SEX	MATURE	STRUCTURE	AGE	VOUCHER #	GENETIC	COMMENTS	PHOTO
		5711		RB	120									R_F
					50									R_F
					71									R_F
					74									R_F
					77									R_F
					57									R_F
					72									R_F
					121									R_F
					74									R_F
					54									R_F
					65									R_F
					71									R_F
					85									R_F
					175									R_F
					128									R_F
					88									R_F
					115									R_F

HABITAT QUALITY	HABITAT TYPE	ZONE	QUALITY	SPECIES	COMMENTS
	REARING HABITAT	↓	G	RB	all in pools than steps
	SPAWNING HABITAT		N		all N/A → no fish done 1st falls
	OVERWINTER HABITAT	↓	G		
	COVER		R		
	OTHER				

PHOTO DOCUMENTATION	ROLL #	TRIB	SC	FC	SWP/SLG	FL/BV	COMMENTS
	34				U		note 2nd falls in background

WILDLIFE	GROUP	WILDLIFE OBSERVATIONS

COMMENTS: 5th = from 1st falls for up on creek with vertical canopy of the good pool hole but 1st falls near upper debris limit for RB → no fish seen

55 - N/A

INDIVIDUAL FISH DATA														
C	SITE	MTD/NO.	N/P	SPEC.	LENGTH	WEIGHT	SEX	MATURE	STRUCTURE	AGE	VOUCHER #	GENETIC	COMMENTS	PHOTO
														R_F
														R_F
														R_F
														R_F
														R_F
														R_F
														R_F
														R_F
														R_F
														R_F
														R_F
														R_F
														R_F
														R_F
														R_F

HABITAT QUALITY	HABITAT TYPE	ZONE	QUALITY	SPECIES	COMMENTS
	REARING HABITAT	P	G	RB	all N/A 55 N fish above 1st falls at end of reach 1
	SPAWNING HABITAT				
	OVERWINTER HABITAT	↓	R		
	COVER				
	OTHER				

PHOTO DOCUMENTATION	ROLL #	TRIB	SC	FC	SWP/SLG	FL/BV	COMMENTS
	2				ST		U
	3				ST		↓

WILDLIFE	GROUP	WILDLIFE OBSERVATIONS

COMMENTS: Site = 1/2 of ESR crossing - sampled for containing non-fish above 1st falls (2nd confirmation site) N/A 55

HABITAT QUALITY

val - good and
- dry, exposed

FSZ

PHOTO DOCUMENTATION

7	6	ST	U	7:56
7	7	ST	D	7:57

WILDLIFE OBSERVATIONS

GROUP

WILDLIFE OBSERVATIONS

COMMENTS

c - site: 40m up left bank
- continuous descent
- dry channel, exposed left side
- disperses into wetland area
- lots of debris, no debris
- low in section

HABITAT QUALITY

Described bank channels in flood plain: flow seasonal (summer/drought) banks high habitat loss. Minimal substrate, enough canopy through to flush leaves and larvae into the stream.
NCD - border line

FSZ

PHOTO DOCUMENTATION

14	15	ST	U	1354
14	16	D	D	1356

WILDLIFE OBSERVATIONS

GROUP

WILDLIFE OBSERVATIONS

COMMENTS

c site @ A = 1+450 m

NCD/SG

Dist L, Rd

HABITAT QUALITY

NEH - more flat valley of rd xing, signs of runoff flow but not a creek, lacks fluvial substrate & continuous bank bottom of gully vegetated & soil layer disturbed by flow only in few places. Water does not have enough energy to reach forest floor.
Become more channelized @ R/W line = 16m ds of C/L, but still not a creek.

FSZ

PHOTO DOCUMENTATION

14	13	ST	U	1330	gradient ds of C/L = 4%
14	14	ST	D	1334	ifs of C/L = 2.5%

WILDLIFE OBSERVATIONS

GROUP

WILDLIFE OBSERVATIONS

COMMENTS

c site @ bypassed rd xing
A = 1+977 m

NCD

Dist E, Rd

HABITAT TYPE	ZONE	QUALITY	SPECIES	COMMENTS
REARING HABITAT	P	G	RB	
SPAWNING HABITAT		F		eggs
OVERWINTER HABITAT		G		
COVER		G		
OTHER				

PEZID TRIB SCI FCI SWP/SLB FLBV

PHOTO DOCUMENTATION

3	1	ST	D
3	2	ST	D

WILDLIFE OBSERVATIONS

GROUP

WILDLIFE OBSERVATIONS

COMMENTS

c - site at 100m N bank of Rd, 1 km long
1 bank erosion @ 100m up rd
- one cut - Rd above RP up
- low bank erosion & split channel
2 cuts, followed by 7m low slope and 30m graded embankment to NE

c overall channel 30% over 20m

RB - SG to falls

NET / TRAP SPECIFICATIONS											
DATE IN	DATE OUT	TIME IN	TIME OUT	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP
128	01										
<p>GEAR SPECIFICATIONS</p> <p>ELECTROSHOCKER SPECIFICATIONS</p> <p>COMMENTS</p>											

NET / TRAP SPECIFICATIONS											
DATE IN	DATE OUT	TIME IN	TIME OUT	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP
129	01										
<p>GEAR SPECIFICATIONS</p> <p>ELECTROSHOCKER SPECIFICATIONS</p> <p>COMMENTS</p>											

HABITAT QUALITY											
<p>Large ...</p> <p>no ...</p>											
PHOTO DOCUMENTATION											
<p>7 11 01 11 11 00</p>											
WILDLIFE OBSERVATIONS											
<p>COMMENTS</p> <p>...</p>											

NET / TRAP SPECIFICATIONS											
DATE IN	DATE OUT	TIME IN	TIME OUT	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP
130	01										
<p>GEAR SPECIFICATIONS</p> <p>ELECTROSHOCKER SPECIFICATIONS</p> <p>COMMENTS</p>											

		NET/TRAP SPECIFICATIONS											
GEAR SPECIFICATIONS	ELECTROFISHER SPECIFICATIONS	DATE		TIME		LATITUDE		LONGITUDE		DEPTH		TEMPERATURE	
		MO	DAY	HR	MIN	N	W	M	F	M	M	M	M
		125	0211										
		125	0211										
COMMENTS													

HABITAT QUALITY	
<p>2. Habitat quality of area is low - no structure or vegetation - low elevation for traps - low water level</p>	

PHOTO DOCUMENTATION	
1	10
<p>FSZ</p>	

WILDLIFE		WILDLIFE OBSERVATIONS	
COMMENTS		COMMENTS	
<p>C. P. 2750 - 2800 hrs - 10 net traps - 10 traps in 100m - 10 traps in 100m</p>		<p>C. P. 2750 - 2800 hrs - 10 net traps - 10 traps in 100m - 10 traps in 100m</p>	

		NET/TRAP SPECIFICATIONS											
GEAR SPECIFICATIONS	ELECTROFISHER SPECIFICATIONS	DATE		TIME		LATITUDE		LONGITUDE		DEPTH		TEMPERATURE	
		MO	DAY	HR	MIN	N	W	M	F	M	M	M	M
		127	0211										
		127	0211										
COMMENTS													

		NET/TRAP SPECIFICATIONS											
GEAR SPECIFICATIONS	ELECTROFISHER SPECIFICATIONS	DATE		TIME		LATITUDE		LONGITUDE		DEPTH		TEMPERATURE	
		MO	DAY	HR	MIN	N	W	M	F	M	M	M	M
		127	0211										
		127	0211										
COMMENTS													

NET / TRAP SPECIFICATIONS											
DATE IN	TIME IN	DATE OUT	TIME OUT	NET	TRAP	NET	TRAP	NET	TRAP	NET	TRAP
122	00	1	17:00	18:56	101	100	0.12	0	600	70	6 SR 12B
COMMENTS											
<p>100% of traps set. 12B traps were used.</p> <p>100% of traps set. 12B traps were used.</p>											

NET / TRAP SPECIFICATIONS											
DATE IN	TIME IN	DATE OUT	TIME OUT	NET	TRAP	NET	TRAP	NET	TRAP	NET	TRAP
123	00	1	17:00	18:56	101	100	0.12	0	600	70	6 SR 12B
COMMENTS											
<p>100% of traps set. 12B traps were used.</p> <p>100% of traps set. 12B traps were used.</p>											

NET / TRAP SPECIFICATIONS											
DATE IN	TIME IN	DATE OUT	TIME OUT	NET	TRAP	NET	TRAP	NET	TRAP	NET	TRAP
124	00	1	17:00	18:56	101	100	0.12	0	700	70	6 SR 12B
COMMENTS											
<p>100% of traps set. 12B traps were used.</p> <p>100% of traps set. 12B traps were used.</p>											

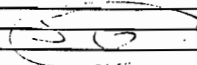
HABITAT QUALITY	
N/A	
PSZ <input type="checkbox"/>	
PHOTO DOCUMENTATION	
NONE	
WILDLIFE OBSERVATIONS	
<p>100% of traps set. 12B traps were used.</p> <p>100% of traps set. 12B traps were used.</p>	
COMMENTS	
<p>100% of traps set. 12B traps were used.</p> <p>100% of traps set. 12B traps were used.</p>	

C	NET / TRAP SPECIFICATIONS											
	TRAP	DATE IN	TIME IN	DATE OUT	TIME OUT	NET TYPE	LENGTH	WIDTH	SCREEN SIZE	NO. NETS	NO. TRAPS	NO. MAMMALS
ELECTROFISHER SPECIFICATIONS												
GEAR SPECIFICATIONS												
COMMENTS	<p>- Channel totally dry again → no sampling possible - Sampled R2 instead (Lys of no H₂O for LMLL)</p>											

C	NET / TRAP SPECIFICATIONS											
	TRAP	DATE IN	TIME IN	DATE OUT	TIME OUT	NET TYPE	LENGTH	WIDTH	SCREEN SIZE	NO. NETS	NO. TRAPS	NO. MAMMALS
ELECTROFISHER SPECIFICATIONS												
GEAR SPECIFICATIONS												
COMMENTS	<p>Microsite having potential but fish abundance low. Channel totally dry so cannot be used to contain fish abundance.</p>											
PHOTO DOCUMENTATION	<p>6 10 40 1448 8 11 0m 1450</p>											
WILDLIFE												
COMMENTS	<p>o site down beginning of reach for 500m up</p>											

C	NET / TRAP SPECIFICATIONS											
	TRAP	DATE IN	TIME IN	DATE OUT	TIME OUT	NET TYPE	LENGTH	WIDTH	SCREEN SIZE	NO. NETS	NO. TRAPS	NO. MAMMALS
ELECTROFISHER SPECIFICATIONS												
GEAR SPECIFICATIONS												
COMMENTS	<p>for resurvey purposes R2 as R1 dry. Fairly low relative to other sites but dry channel in R1 prevents fish from entering.</p>											

C	NET / TRAP SPECIFICATIONS											
	TRAP	DATE IN	TIME IN	DATE OUT	TIME OUT	NET TYPE	LENGTH	WIDTH	SCREEN SIZE	NO. NETS	NO. TRAPS	NO. MAMMALS
ELECTROFISHER SPECIFICATIONS												
GEAR SPECIFICATIONS												
COMMENTS	<p>Microsite good crack with no flow. Fish unlikely present in system due to proximity of Finch Cr. No fish captured</p> <p style="text-align: center;">SL</p>											

		NET / TRAP SPECIFICATIONS										
		DATE	TIME	MARK	DATE OUT	TIME OUT	TRAP	TYPE	NO.	DATE	TIME	
GEARS SPECIFICATIONS	ELECTROSHOCKER SPECIFICATIONS											
COMMENTS		Dns. no suitable fish from Tolpagan L. <div style="text-align: center; margin-top: 10px;">  </div>										

HABITAT QUALITY	HABITAT TYPE	ZONE	QUALITY	SPECIES	COMMENTS
	REARING HABITAT				
	SPAWNING HABITAT				
	OVERWINTER HABITAT				
	COVER				
	OTHER				
NONE					
TRIB <input type="checkbox"/> SC <input type="checkbox"/> FC <input type="checkbox"/> SWP/SLG <input type="checkbox"/> FL/BV <input type="checkbox"/>					
PHOTO DOCUMENTATION 1 16 ST SD					
WILDLIFE WILDLIFE OBSERVATIONS COMMENTS:					
COMMENTS: <p>- site = e Tolpagan Rd - no channel / flow found/present at mapped location</p>					
NCD					

HABITAT QUALITY	HABITAT TYPE	ZONE	QUALITY	SPECIES	COMMENTS
	REARING HABITAT		N	RB	
	SPAWNING HABITAT				
	OVERWINTER HABITAT				
	COVER				
	OTHER				
TRIB <input type="checkbox"/> SC <input type="checkbox"/> FC <input type="checkbox"/> SWP/SLG <input type="checkbox"/> FL/BV <input type="checkbox"/>					
PHOTO DOCUMENTATION 1 16 ST SD					
WILDLIFE WILDLIFE OBSERVATIONS COMMENTS:					
COMMENTS: <p>- site = e Tolpagan road x-ing 1 ditch/water / road - no contin. channel but for 100m at road - (becomes stream 100m dist) - no obvious potential to run to mud. stop shallow trickle over ground (no contin channel)</p>					
NCD @ road					

HABITAT QUALITY	HABITAT TYPE	ZONE	QUALITY	SPECIES	COMMENTS
	REARING HABITAT		P	RB	- none
	SPAWNING HABITAT				
	OVERWINTER HABITAT				
	COVER				
	OTHER				
TRIB <input type="checkbox"/> SC <input type="checkbox"/> FC <input type="checkbox"/> SWP/SLG <input type="checkbox"/> FL/BV <input type="checkbox"/>					
PHOTO DOCUMENTATION 1 17 ST SD					
WILDLIFE WILDLIFE OBSERVATIONS COMMENTS:					
COMMENTS: <p>1. site = 90m s/s from Toll Rd morphology = mod slope, shallow, fine marginal PFC stream + rocky, wet - occasional, shallow banks - exposed, shallow trickle 3. no form cover/basket</p>					
NFC-S6					

INDIVIDUAL FISH DATA														
C	SITE	MTD/NO.	M/P	SPEC.	LENGTH	WEIGHT	SEX	MATUR.	AGE	GENETIC	VOUCHER #	GENETIC	COMMENTS	PHOTO
									STRUCTURE	SAMPLE #	AGE	STRUCTURE	SAMPLE #	
														R_F
														R_F
														R_F
														R_F
														R_F
														R_F
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														R_F

COMMENTS

HABITAT QUALITY	ZONE	QUALITY	SPECIES	COMMENTS
BEARING HABITAT		M	RB	
SPawning HABITAT		P	↓	
OVERWINTER HABITAT		G		
COVER				
OTHER				

PRZM TRIB SC FC SWP/SLG R/BV

PHOTO DOCUMENTATION	WILDLIFE OBSERVATIONS	GROUP	WILDLIFE OBSERVATIONS
1 14 ST 0			

COMMENTS
c SLE - db of 155-02 bdy
- successive fish hab avail, but not
- seasonal for pmt now
- 1 fish, don't see from BZ
- shallow, many, high etc

NFC - SLE - if fish were available
in there

INDIVIDUAL FISH DATA														
C	SITE	MTD/NO.	M/P	SPEC.	LENGTH	WEIGHT	SEX	MATUR.	AGE	GENETIC	VOUCHER #	GENETIC	COMMENTS	PHOTO
									STRUCTURE	SAMPLE #	AGE	STRUCTURE	SAMPLE #	
														R_F
														R_F
														R_F
														R_F
														R_F
														R_F
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														R_F
														R_F

COMMENTS

HABITAT QUALITY	ZONE	QUALITY	SPECIES	COMMENTS
BEARING HABITAT		P	RB	
SPawning HABITAT		↓	↓	
OVERWINTER HABITAT				
COVER				
OTHER				

PRZM TRIB SC FC SWP/SLG R/BV

PHOTO DOCUMENTATION	WILDLIFE OBSERVATIONS	GROUP	WILDLIFE OBSERVATIONS
1 10 ST 0			
1 11 ST 0			

COMMENTS
c Site from 50m north of mouth to TYP 93507
- shallow trickle over rocks
- organic
- high seasonal → v. low flow time
- tails surface suitable fish hab

NFC → S6

HABITAT QUALITY		ZONE	QUALITY	SPECIES	COMMENTS
REARING HABITAT					
SPAWNING HABITAT					
OVERWINTER HABITAT					
COVER					
OTHER					

TRIB SC FC SWP/SLG FL/BV

PHOTO DOCUMENTATION	FOCUS 1	FOCUS 2	FOCUS 3	COMMENTS
1 15	ST	BD		- stake, dirt miss.
				- NONE

WILDLIFE	WILDLIFE OBSERVATIONS	GROUP	WILDLIFE OBSERVATIONS
C	= site ~ 150 m W of Ardmore Rd		

COMMENTS

- not an FSC stream in this area
- trickle (seasonal) over organics
- lacks cent. channel bed/banks

~~NCD~~

HABITAT QUALITY		ZONE	QUALITY	SPECIES	COMMENTS
REARING HABITAT		M		RB	
SPAWNING HABITAT		P			
OVERWINTER HABITAT		P			
COVER		M			
OTHER					

TRIB SC FC SWP/SLG FL/BV

PHOTO DOCUMENTATION	FOCUS 1	FOCUS 2	FOCUS 3	COMMENTS
1 8	ST	U		
1 9	ST	D		

WILDLIFE	WILDLIFE OBSERVATIONS	GROUP	WILDLIFE OBSERVATIONS
C	Side - Linn nearby to RR		

COMMENTS

- Flow 2 into -05700 in BD pond (D) right near track on -05700
- Linn bank block on right bank (S-lin d/ly)
- Fair sized hole @ this flow, but likely dries in late summer
- a NFL d/b in -037 R/R
- unlikely use, enough water hole
- FSC class det. on -037
- NFL- 54 (RB) - 3A RB d/s
- a 1st access line - 05700 / good hole. d/ly!!

INDIVIDUAL FISH DATA															COMMENTS	PHOTO
C	SITE	MTD / NO.	H/P	SPEC.	LENGTH	WEIGHT	SEX	MATURE	AGE STRUCTURE	AGE SAMPLE	AGE	VOUCHER #	GENETIC STRUCTURE	GENETIC SAMPLE		
															R_F	
															R_F	
															R_F	
															R_F	
															R_F	
															R_F	
															R_F	
															R_F	
															R_F	
															R_F	
															R_F	
															R_F	
															R_F	
															R_F	
															R_F	
															R_F	
															R_F	
															R_F	

HABITAT QUALITY		ZONE	QUALITY	SPECIES	COMMENTS
REARING HABITAT			P	RB	
SPAWNING HABITAT					
OVERWINTER HABITAT					
COVER					
OTHER					

TRIB SC FC SWP/SLG FL/BV

PHOTO DOCUMENTATION	FOCUS 1	FOCUS 2	FOCUS 3	COMMENTS
1 12	ST	D		
1 13	ST	U		

WILDLIFE	WILDLIFE OBSERVATIONS	GROUP	WILDLIFE OBSERVATIONS
C	- site - Linn knee boundary		

COMMENTS

- no RB hole - shallow over bank
- dense shrubs - likely dry later
- possible rock
- channel large d/ly spreading, shelter without channel
- unlikely fish use, d/ly on rock 3 habitat d/ly.
- NFL - 56 no fish in RB

SITE CARD

GAZETTED NAME: Amnasa (local): BAB10

WATERSHED CODE: 4809990001677001

PROJECT ID: 90 REACH: 1330 AGENCY: COIG CREW: SR MY

DATE: 11/09/2011 TIME: 07:30 AGENCY: COIG FOREWARN: SR ACCESS: FT

CHANNEL: 110 FLOOD BANK: 110 BED MATERIAL: Dominant C

SWD: 110 LWD: 110 B: 110 C: 110 DP: 110 OV: 110 IV: 110

COVER: N A: U DISTURBANCE: C E: 1 M: 1 V: 1 S: 1

TEXTURE: OCBRA DISTURBANCE INDICATORS: 01 B1 B2 B3 B4 B5 B6 B7 B8 B9 B10 B11 B12 B13 B14 B15

COUPLING: DC CONFINEMENT: EN

FEATURES: C MID MAP: 1 TYPE: HT/LB PHOTO: 1 COMMENTS: UTM

FISH COLLECTION FORM

GAZETTED NAME: Amnasa (local): BAB10

WATERSHED CODE: 4809990001677001

PROJECT ID: 90 REACH: 1330 AGENCY: COIG CREW: SR MY

DATE: 11/09/2011 TIME: 07:30 AGENCY: COIG FOREWARN: SR ACCESS: FT

SITE/METHOD: 90 MTD/NO.: GF-1 N/P: 1 SPECIES: NFC STAGE: 1 AGE: 1 SEX: 1 LENGTH: 116 WEIGHT: 95

SITE/METHOD: 90 MTD/NO.: GF-2 N/P: 2 SPECIES: NFC STAGE: 1 AGE: 1 SEX: 1 LENGTH: 175 WEIGHT: 188

A. GEAR SETTINGS: GF-1 DATE IN: 07/13 TIME IN: 13:30 DATE OUT: 07/23 TIME OUT: 13:40 W. NO.: 116 LENGTH: 95

B. NET/TRAP SPECIFICATIONS: 0

C. ELECTROFISHER SPECIFICATIONS: 90 MTD/NO.: GF-1 N/P: 1 VOLTAGE: 600 PULSE: 60 DURATION: 4 WAVE: SR MODE: 12B

COMMENTS: - shaded slip path & area near road
- rest is too deep for fishes

FISH COLLECTION FORM

GAZETTED NAME: Amnasa (local): BAB10

WATERSHED CODE: 4809990001677001

PROJECT ID: 91 REACH: 1330 AGENCY: COIG CREW: SR MY

DATE: 11/09/2011 TIME: 07:30 AGENCY: COIG FOREWARN: SR ACCESS: FT

SITE/METHOD: 91 MTD/NO.: GF-1 N/P: 1 SPECIES: NFC STAGE: 1 AGE: 1 SEX: 1 LENGTH: 116 WEIGHT: 95

SITE/METHOD: 91 MTD/NO.: GF-2 N/P: 2 SPECIES: NFC STAGE: 1 AGE: 1 SEX: 1 LENGTH: 175 WEIGHT: 188

A. GEAR SETTINGS: GF-1 DATE IN: 07/13 TIME IN: 13:30 DATE OUT: 07/23 TIME OUT: 13:40 W. NO.: 116 LENGTH: 95

B. NET/TRAP SPECIFICATIONS: 0

C. ELECTROFISHER SPECIFICATIONS: 90 MTD/NO.: GF-1 N/P: 1 VOLTAGE: 600 PULSE: 60 DURATION: 4 WAVE: SR MODE: 12B

COMMENTS: Not sampled - dry

FISH COLLECTION FORM

GAZETTED NAME: Amnasa (local): BAB7

WATERSHED CODE: 4809990001677001

PROJECT ID: 92 REACH: 1330 AGENCY: COIG CREW: SR MY

DATE: 11/09/2011 TIME: 07:30 AGENCY: COIG FOREWARN: SR ACCESS: FT

SITE/METHOD: 92 MTD/NO.: GF-1 N/P: 1 SPECIES: NFC STAGE: 1 AGE: 1 SEX: 1 LENGTH: 116 WEIGHT: 95

SITE/METHOD: 92 MTD/NO.: GF-2 N/P: 2 SPECIES: NFC STAGE: 1 AGE: 1 SEX: 1 LENGTH: 175 WEIGHT: 188

A. GEAR SETTINGS: GF-1 DATE IN: 07/13 TIME IN: 13:30 DATE OUT: 07/23 TIME OUT: 13:40 W. NO.: 116 LENGTH: 95

B. NET/TRAP SPECIFICATIONS: 0

C. ELECTROFISHER SPECIFICATIONS: 90 MTD/NO.: GF-1 N/P: 1 VOLTAGE: 600 PULSE: 60 DURATION: 4 WAVE: SR MODE: 12B

COMMENTS: Not sampled - dry
ca 1.7% dry
NFP

HABITAT QUALITY	RIVER, location for spawning, fish catch (date in P/C)				
F3211					
PHOTO DOCUMENTATION	7	11	12	17	17
	1	5	17	1	11.06
WILDLIFE	WILDLIFE COLLECTION		SPECIES		WILDLIFE OBSERVATIONS
COMMENTS	C			C	
	<p>1. 2004 yr. in Guizhou Prov. Guizhou</p> <p>by date 02/16/07 176 km along of Gen</p>				

NET/TRAP SPECIFICATIONS					
GEAR SPECIFICATIONS					
ELECTROFISHER SPECIFICATIONS					
COMMENTS					

C	INDIVIDUAL FISH DATA												COMMENT			
	SITE	MTD/NO.	N/P	SPEC.	LENGTH	WEIGHT	SEX	MATUR.	AGE STRUCTURE	SAMPLES	AGE	VOUCHER #		GENETIC STRUCTURE	SAMPLES	COMMENTS
																R_F_
																R_F_
																R_F_
																R_F_
																R_F_
																R_F_
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HABITAT QUALITY	HABITAT TYPE		ZONETIC		QUALITY		SPECIES		COMMENTS	
	REARING HABITAT				G		RBY		- good mounds below cascade	
SPAWNING HABITAT				G				- water level gravel pit		
OVERWINTER HABITAT				G						
COVER				G						
OTHER										
F3211 TRIB <input type="checkbox"/> SC <input type="checkbox"/> FC <input type="checkbox"/> SWP/SIG <input type="checkbox"/> F/BV <input type="checkbox"/>										
PHOTO DOCUMENTATION	2 3 ST U - above cascade									
WILDLIFE	WILDLIFE OBSERVATIONS					WILDLIFE OBSERVATIONS				
COMMENTS	C - site above cascade					C				
	- 2nd sampling from 96 mth									

HABITAT QUALITY
 R - poor f air, in exposed pools, fish density limited by upland
 W/2 and stream dissected for moat; and no connectivity with
 the main stem
 S - none
 A - none
 No fish use and very limited benthos present.

PHOTO DOCUMENTATION

10	14	SA	U
10	15	SR	D

WILDLIFE OBSERVATIONS

0 @ the mouth

COMMENTS
 Slow moving creek separated from main by upland
 Ground sampling with no fish recovered

55

NET/TRAP SPECIFICATIONS

NO.	TYPE	LENGTH	DEPTH	DIAMETER	AREA	VOLUME	PERCENT	NO. FISH	NO. SPECIES
82	ET1	1	1040	1055	162	110	.8	0	700 90 6, SR 108

COMMENTS

HABITAT QUALITY

HABITAT TYPE	ZONE	QUALITY	SPECIES	COMMENTS
BEARING HABITAT	1	G		Good B/P,C cover finer & larger too shallow Attendant
SPawning HABITAT	1	H		
OVERWINTER HABITAT	1	F		
COVER HABITAT	1	G		
OTHER HABITAT				

PHOTO DOCUMENTATION

2	5	ST	H
---	---	----	---

WILDLIFE OBSERVATIONS

0 site from 100 m d/s from
Vol 14

COMMENTS
 V good RB hab for bearish
 but no fish able to lodge
 falls in R2

56

INDIVIDUAL FISH DATA

C	SITE	INTD/NO.	N/P	SPECIES	LENGTH	WEIGHT	SEX	MATUR.	AGE	VOUCHER #1	GENETIC	COMMENTS	PHOTO
													R_F
													R_F
													R_F
													R_F
													R_F
													R_F
													R_F
													R_F
													R_F
													R_F
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													R_F
													R_F
													R_F
													R_F

COMMENT

HABITAT QUALITY

- Very good upland
- 100% upland, upland but some habitat
- no upland

FSZ

PHOTO DOCUMENTATION

TRAP	TRAP NO.	DATE IN	DATE OUT	COMMENTS
M	72	5/1	0	6:44
N	24	5/1	0	6:45

WILDLIFE OBSERVATIONS

GROUP

WILDLIFE OBSERVATIONS

COMMENTS

5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

NET / TRAP SPECIFICATIONS

GEAR SPECIFICATIONS

TRAP	TRAP NO.	TRAP DATE IN	TRAP DATE OUT	TRAP TYPE	LENGTH	DEPTH	NET	NET	NET	NET	NET	NET
C	81	5/1	0	45	100	0.1	0	600	60	4	50	20

COMMENTS

- 100% upland, upland but some habitat

- no upland

NET / TRAP SPECIFICATIONS

GEAR SPECIFICATIONS

TRAP	TRAP NO.	TRAP DATE IN	TRAP DATE OUT	TRAP TYPE	LENGTH	DEPTH	NET	NET	NET	NET	NET	NET
C	82	5/1	0	45	100	0.1	0	600	60	4	50	20

COMMENTS

- 100% upland, upland but some habitat

- no upland

HABITAT QUALITY

- Very good upland
- 100% upland, upland but some habitat
- no upland

FSZ

PHOTO DOCUMENTATION

TRAP	TRAP NO.	DATE IN	DATE OUT	COMMENTS
7	1	5/1	0	7:45
7	2	5/1	0	7:47

WILDLIFE OBSERVATIONS

GROUP

WILDLIFE OBSERVATIONS

COMMENTS

5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

HABITAT QUALITY
R - very poor, shallow, seasonal
No spawning or overwintering

FSZ

PHOTO DOCUMENTATION
10 12 97 4
10 13 97 5

WILDLIFE OBSERVATIONS

COMMENTS
c 100 dip nets - use 8d - inc.
1 frequent documented pools with no fish
Second sampling with no fish
no fish included in fishery potential

NET / TRAP SPECIFICATIONS

NO.	DATE	TIME IN	TIME OUT	NET TYPE	LENGTH	DEPTH	AREA	NET	BAR			
79	FE 11	10.00	10.15	63	40	.6	0	700	80	6	SR	12B

COMMENTS
Only few pools with water, difficult to find places for sampling

NET / TRAP SPECIFICATIONS

NO.	DATE	TIME IN	TIME OUT	NET TYPE	LENGTH	DEPTH	AREA	NET	BAR			
80	FE 11	9.30	9.50	117	100	.8	0	700	80	6	SR	12B

HABITAT QUALITY
R - very poor, seasonal, shallow, no deep pools
S-DV - no habitat -> no gravel, pools not deep enough seasonal flow

FSZ

PHOTO DOCUMENTATION
10 10 97 4
10 11 97 5

WILDLIFE OBSERVATIONS

COMMENTS
c @ site 35 from 1987 -> down mouth
Crest higher over fines, organics,
very low fishery values
Second sampling with no fish
collected

56

C	NET / TRAP SPECIFICATIONS												
	DATE IN	TIME IN	DATE OUT	TIME OUT	MESH	DEPTH	LENGTH	WIDTH	HEIGHT	NO. NETS	NO. TRAPS	NO. FISH	NO. SPECIES
77	6		20	0.5	0	100	10	2	SR	12			

HABITAT QUALITY		SC	FC	SWP/SLG	FL/BV
SEARCHING HABITAT	G				
REFUGIUM HABITAT	P				
OVERWINTER HABITAT	G				
COVER	G				
OTHER					

PHOTO DOCUMENTATION	
ROLL NO.	7 ST U - hard hbk. reach,

WILDLIFE OBSERVATIONS	
C	site @ Soght Ring

INDIVIDUAL FISH DATA												
C	SITE	MTD/NO.	N/P	SPEC	LENGTH	WEIGHT	SEX	MATUR	AGE	GENETIC	COMMENTS	PHOTO
		MT1		LKC	127							R_F
		MT4		LKC	79							R_F
		MT4		LNC	105						larger dace	R_F

C	NET / TRAP SPECIFICATIONS												
	DATE IN	TIME IN	DATE OUT	TIME OUT	MESH	DEPTH	LENGTH	WIDTH	HEIGHT	NO. NETS	NO. TRAPS	NO. FISH	NO. SPECIES
79	EP	14	02	07	35	10	0.1	0	500	10	4	SR	127

HABITAT QUALITY

NCD

FSZ

PHOTO DOCUMENTATION

101	14	ST	4P	1027
-----	----	----	----	------

WILDLIFE OBSERVATIONS

COMMENTS	
c	1/2 m to 1 1/2 m long W/S bar 250 m. Well before sunrise elev. of water was holes with rocks. clogged and in 95% area well developed drift layer.

HABITAT QUALITY

insufficient trickle with many algae filled rocky shallow. Due to seasonal nature no fish hole. S3
sit in way of algae free pools.

FSZ

PHOTO DOCUMENTATION

4	24	ST	1P	0908
4	25	ST	1P	0910

WILDLIFE OBSERVATIONS

COMMENTS	
c	catch 20 m into frame mouth
	(S3)

NET / TRAP SPECIFICATIONS

C	TYPE	DATE IN	DATE OUT	TIME IN	TIME OUT	NO. FISH	LENGTH	WEIGHT	SEX	AGE	MARK	REMARKS
75	EF	1				204	1650	0.3	0	600	60	SR

ELECTROFISHER SPECIFICATIONS

COMMENTS

INDIVIDUAL FISH DATA

C	SITE	NET/NO.	M/P	SPEC.	LENGTH	WEIGHT	SEX	MATUR.	DATE	TIME	VOUCHER #	GENETIC	STRUCTURE	COMMENTS	PHOTO
76															R_F

CRACK WAS EXTENSIVELY SAMPLED IN 1976 AND NO RB WAS CAPT. 1/2 FROM ENT SYSTEM. PRESENT SAMPLING CONTIN RB ABSENCE IN THE SYSTEM ABOVE ENT. EXTENSIVE SEARCH IN REAR 4.5.16 ARE TOLD BY RB DUE TO LACK OF SUITABLE HAB. RB FOUND THERE.

COMMENTS

CARD

NCD

HABITAT QUALITY

FSZ

PHOTO DOCUMENTATION

DATE	WILDLIFE OBSERVATIONS	BIOTIC	WILDLIFE OBSERVATIONS

WILDLIFE

COMMENTS

c site from Fleming rd double bog
for a 1/2 hr
Not a creek more visible runoff
low vegetation -> created some
mud & isolated pools
with bluffs & cacti. Full layer
Present in 45% of site

HABITAT QUALITY

No fish hab -> creek seasonal, watered
during spring runoff. Shallow with marginal cover, not offering
any spawning habitat or overwintering.

56

FSZ

PHOTO DOCUMENTATION

DATE	WILDLIFE OBSERVATIONS	BIOTIC	WILDLIFE OBSERVATIONS
101 11 ST UP 0956			
101 12 ST DN 0957			

WILDLIFE

COMMENTS

c site from Fleming rd n/s
between Fleming Rd & Hwy 15602
containing bog
Intermittent shallow creek
with isolated shallow pools, grass
vegetated channel.

NET / TRAP SPECIFICATIONS

DATE	TIME	TYPE	SIZE	DEPTH	WIDTH	LENGTH	AREA	VOLUME	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
72	RT	1							79	440	92	10	700	09	6	

COMMENTS

Not a fish habitat

NCD

HABITAT QUALITY

FSZ

PHOTO DOCUMENTATION

DATE	WILDLIFE OBSERVATIONS	BIOTIC	WILDLIFE OBSERVATIONS

WILDLIFE

COMMENTS

c site from NE corner of blk 15601
between Fleming Rd & Hwy 15602

Not a creek but not even a
well watered runoff channel.
Vegetated area with well
developed drift layer

HABITAT QUALITY

No fish habitat: dry most of the year

(56)

FSZ

TRIP	DATE	TIME	COMMENTS
2	6	55	DN 09.06 (At the 2nd Rd Xing)

PHOTO DOCUMENTATION

WILDLIFE OBSERVATIONS	GROUP	WILDLIFE OBSERVATIONS

WILDLIFE

COMMENTS
c site @ xing in CRISSOL

HABITAT QUALITY

FSZ

TRIP	DATE	TIME	COMMENTS

PHOTO DOCUMENTATION

WILDLIFE OBSERVATIONS	GROUP	WILDLIFE OBSERVATIONS

WILDLIFE

COMMENTS
c At Rd Xing 10/19/96 stream is present. Not a creek: lack of continuous banks, not defined channel, many dead muddy logs. Several Vg. W/ stream bed. No fish habitat at all due to the open SB

Rev. Aug. 1994

HABITAT TYPE	ZONE	QUALITY	SPECIES	COMMENTS
REARING HABITAT				
SPAWNING HABITAT				
OVERWINTER HABITAT				
COVER				
OTHER				

FSZ TRIB SC FC SW/BG FL/BV

TRIP	DATE	TIME	COMMENTS

PHOTO DOCUMENTATION

WILDLIFE OBSERVATIONS	GROUP	WILDLIFE OBSERVATIONS

WILDLIFE

COMMENTS
a site b/w wetlands ~ 200 m @ BLK 260' from edge of cutback on Shaker Rd. NCD sandy gravel through hardwood, 1.5m wide with no perennial flow

HABITAT QUALITY

NCD

FSZ

TRIP	DATE	TIME	COMMENTS
101	10	57	DN 0936

PHOTO DOCUMENTATION

WILDLIFE OBSERVATIONS	GROUP	WILDLIFE OBSERVATIONS

WILDLIFE

COMMENTS
c site @ - flowing rd to blk 260 ~ 200m had a stream but even not a strong enough channel forest floor riprapped with well developed drift layer.

HABITAT QUALITY	REAR HABITAT	1	N	SPECIES	COMMENTS		
	SPAWNING HABITAT	1					
	OVERWINTER HABITAT	1					
	COVER	1					
	OTHER						
FEZ: 1	TRB: 1	SC: 1	FC: 1	SWP/SL: 1	FJ/BV: 1		
PHOTO DOCUMENTATION	BOLDS	2	15	ST	UP	COMMENTS	
WILDLIFE	GROUP	WILDLIFE OBSERVATIONS				GROUP	WILDLIFE OBSERVATIONS
COMMENTS	c site @ spur rd xing d/s for 150m			c off the channel @ Nose rd xing			
	Deep incised channel, seasonal, occasional gravels, no fish hab - dry already. Moreover creek @ this point is inaccessible from Fleming Cr. - due to lock						

NET/TRAP SPECIFICATIONS													
GEAR SPECIFICATIONS	c												
ELECTROSHOCKER SPECIFICATIONS	1	64	EF1	1	203	100	3+	0	400	80	6	SR	12 B
COMMENTS	No fish captured in Reach 2. No sediment log available. Little shallow water. CW - 10m wide @ 0%												
	1 knob loose 2 Not defined circuit in shroud. AMP 50												

INDIVIDUAL FISH DATA																
COMMENTS	DATE	NO.	W/P	SPEC.	LENGTH	WEIGHT	SEX	MATURE	AGE	STRUCTURE	GENETIC	STRUCTURE	GENETIC	COMMENTS	PHOTO	

HABITAT QUALITY	Second stream with extensive riffles and very little in-stream cover. Poor fish habitat. Due to seasonally non-fish bearing SG Creek cannot sustain spawning and rearing and recruitment.				
	56				
PHOTO DOCUMENTATION	6	4	38	UP	07.24
WILDLIFE	WILDLIFE OBSERVATIONS				
COMMENTS	c Site from beginning of d/s to 250m				

NET / TRAP SPECIFICATIONS

GEAR SPECIFICATIONS	DATE IN		TIME IN		DATE OUT		TIME OUT	
	DAY	MO	HR	MIN	DAY	MO	HR	MIN
60								
Dry channel, not sampled, crop away								
56								

NO. 005672

INDIVIDUAL FISH DATA

C	SITE	MTD/NO.	N/P	SPEC.	LENGTH	WEIGHT	SEX	MATUR.	AGE	AGE	VOUCHER #	GENETIC	COMMENTS	PHOTO
														R_F
														R_F
														R_F
														R_F
														R_F
														R_F
														R_F
														R_F
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														R_F
														R_F
	site d/s of Nose Rd ring for 150m													COMMENT

INDIVIDUAL FISH DATA

C	SITE	MTD/NO.	N/P	SPEC.	LENGTH	WEIGHT	SEX	MATUR.	AGE	AGE	VOUCHER #	GENETIC	COMMENTS	PHOTO
														R_F
														R_F
														R_F
														R_F
														R_F
														R_F
														R_F
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														R_F
														R_F
	site d/s of Nose Rd ring for 140m													COMMENT

HABITAT QUALITY	HABITAT TYPE	WATER ZONE	QUALITY	SPECIES	COMMENTS						
	REARING HABITAT				/						
	SPAWNING HABITAT										
OVERWINTER HABITAT											
PHOTO DOCUMENTATION	COVER										
	OTHER										
WILDLIFE	FRZ	TRIG	SCI	FCI	SWP/SST	FLV/VI					
	ROLL #		FOC LG	DIR	COMMENTS						
COMMENTS	GROUP	WILDLIFE OBSERVATIONS				GROUP	WILDLIFE OBSERVATIONS				
	C	site @ Nose Rd ring.					C				
	No channel found @ mapped location. Area likely channel somewhat between Nose & Spry Rd rings.						NCD				

HABITAT QUALITY	REARING HABITAT										
	SPAWNING HABITAT										
	OVERWINTER HABITAT										
	COVER										
	OTHER										
FXZ	TRIB	SC	FC	SWP/SLG	FL/BV						
PHOTO DOCUMENTATION	ROLL #	DATE	FOCLB	DIR	COMMENTS						
	2	17	ST	N	BD						
WILDLIFE	GROUP	WILDLIFE OBSERVATIONS				GROUP	WILDLIFE OBSERVATIONS				
COMMENTS	c site w/ from nose fishing to 10:30 am					c Not enough water to sample					
	Shaded trickle with lack of sufficient lab to support fish pop. Creek near station is. repeated seasonal					SG					

C	NET / TRAP SPECIFICATIONS												
	FILE #	MTD / O	PASS	TIME IN	DATE IN	TIME OUT	DATE OUT	NET TYPE	LENGTH	DEPTH	AREA	WGT	NO. NETS
	RB	121	13		11/13/66								
	31	54			11/13/66								
	32	61			11/13/66								
	31	31			11/13/66								
	35	37											
	29	36											
	63	82											
	V	102											
		32											
		34											
ELECTRONICS SPECIFICATIONS	DATE	MTD / O	PASS	TIME IN	DATE IN	TIME OUT	DATE OUT	NET TYPE	LENGTH	DEPTH	AREA	WGT	NO. NETS
	55	1			49	230	0.7	0	300	82	6	SR	12.5
	55	1			156	440	2.0	0	500	100	6		
COMMENTS	water collected in 1st 2 nets... structure with... 1st check red. sitting water, see RB on remaining habitat of ph REF on 12/17... RB's in 12/17 (w/ump)												

HABITAT QUALITY	HABITAT TYPE	ZONE	QUALITY	SPECIES	COMMENTS						
	REARING HABITAT		P	RB	1st suitable RB hab... Stagnant, smelly, fishing 12/0						
	SPAWNING HABITAT		P								
	OVERWINTER HABITAT		P								
	COVER		P								
OTHER											
FXZ	TRIB	SC	FC	SWP/SLG	FL/BV						
PHOTO DOCUMENTATION	ROLL #	DATE	FOCLB	DIR	COMMENTS						
	3	17	ST	N	1218						
WILDLIFE	GROUP	WILDLIFE OBSERVATIONS				GROUP	WILDLIFE OBSERVATIONS				
COMMENTS	c site = wetland s w/					c					
	1 estimated CW b/w RB's					SG					

C	NET / TRAP SPECIFICATIONS												
	FILE #	MTD / O	PASS	TIME IN	DATE IN	TIME OUT	DATE OUT	NET TYPE	LENGTH	DEPTH	AREA	WGT	NO. NETS
	59	ET1			156	440	2.0	0	500	100	6	LR	17.5
ELECTRONICS SPECIFICATIONS	DATE	MTD / O	PASS	TIME IN <td>DATE IN</td> <td>TIME OUT</td> <td>DATE OUT</td> <td>NET TYPE</td> <td>LENGTH</td> <td>DEPTH</td> <td>AREA</td> <td>WGT</td> <td>NO. NETS</td>	DATE IN	TIME OUT	DATE OUT	NET TYPE	LENGTH	DEPTH	AREA	WGT	NO. NETS
	59	ET1			156	440	2.0	0	500	100	6	LR	17.5
COMMENTS	Extreme wetland, slumps, channels b/w RB's stagnant, smelly												

		NET / TRAP SPECIFICATIONS												
C	SITE ID	DATE	HAIR	DATE IN	TIME IN	DATE OUT	TIME OUT	NET TYPE	LENGTH	DEPTH	MESH	NET #	BAR	
	53	EF 1	1			121	700	1.5	0	500	90	6	SR	12E
Comments: traps over lines, looking for fish and SWD. No fish present. from work (w. 0.7 3%)														

		NET / TRAP SPECIFICATIONS												
C	SITE ID	DATE	HAIR	DATE IN	TIME IN	DATE OUT	TIME OUT	NET TYPE	LENGTH	DEPTH	MESH	NET #	BAR	
	54	EF 1	1			323	220	1.2	0	400	70	6	SR	12E
	54	EF 1	2			138	220	1.2	0	500	100	6	SR	12E
Comments: Creek resampled in R.F. No fish present due to extremely low flow in R.F. Many fish in immediate bank but passage + velocity is not suitable for fish. PP. 54 42 m d/s from canal with turbine (led to pond where we found DW (beetles) - R.F. in flow in 90 - still inferred 54														

HABITAT QUALITY	
PSZ	
PHOTO DOCUMENTATION	
ROLL #	FOCAL DIR. COMMENTS
WILDLIFE OBSERVATIONS	
GROUP	WILDLIFE OBSERVATIONS
Comments: w/ a creek, we found c. creek" almost blk by/ with many disconnected channels, interlocks with alder & willow isolated meadows likely spring runoff area. no fish hab. 13705 //Eb	

HABITAT QUALITY	
REARING HABITAT	1
SPAWNING HABITAT	1
OVERWINTER HABITAT	1
COVER	1
OTHER	
PHOTO DOCUMENTATION	
ROLL #	FOCAL DIR. COMMENTS
2	16 SR BD
WILDLIFE OBSERVATIONS	
GROUP	WILDLIFE OBSERVATIONS
Comments: note from above rd xing up flow ~ 100m. Shallow 4H creek with trickle of flow among rocks. No fish habitat over. SC	

		NET / TRAP SPECIFICATIONS									
ELECTROFISHER SPECIFICATIONS	GEAR SPECIFICATIONS	DATE	TIME IN	TIME OUT	TIME	DEPTH	TYPE	NO. NETS	NO. TRAPS	NO. BATS	NO. BIRDS
		46	EF	1							

Comments: - only 1 bat captured

		NET / TRAP SPECIFICATIONS									
ELECTROFISHER SPECIFICATIONS	GEAR SPECIFICATIONS	DATE	TIME IN	TIME OUT	TIME	DEPTH	TYPE	NO. NETS	NO. TRAPS	NO. BATS	NO. BIRDS
		71	EF	2							

HABITAT QUALITY: Reason for this spec/monitoring - only in V. low birds - active 0.01m deep - low visibility for sp. flying

PHOTO DOCUMENTATION: 71 2 SF U 10:19, 71 2 SF U 10:20

COMMENTS: 0 SK = 700m db low profile - marginal habitat at best but 7th sampling if no fish caught

		NET / TRAP SPECIFICATIONS									
ELECTROFISHER SPECIFICATIONS	GEAR SPECIFICATIONS	DATE	TIME IN	TIME OUT	TIME	DEPTH	TYPE	NO. NETS	NO. TRAPS	NO. BATS	NO. BIRDS
		47	EF	1	10:08	10:10	113	98	0.3	0	800
47	EF	2	10:10	10:30	142	98	0.3	0	900	60	6 SR 12B

COMMENTS: - only 1 bat captured with potential for spec. (low) but not captured - 7th sampling, all birds in net

		NET / TRAP SPECIFICATIONS									
ELECTROFISHER SPECIFICATIONS	GEAR SPECIFICATIONS	DATE	TIME IN	TIME OUT	TIME	DEPTH	TYPE	NO. NETS	NO. TRAPS	NO. BATS	NO. BIRDS
		48	EF	1			371	350	1.3	0	400
48	EF	2			197	350	1.3	0	500	100	6 SR 12B

COMMENTS: Beautiful creek with many deep pools LWD d. gravel. Dist due to, culvert in 1950 with fish barrier - lower fish abundance maybe in next 10 years.

WATER BODY NAME: Reservoir LAKE STREAM WETLAND

WATERSHIP CODE: 180154530045700351684

WATERBODY ID: 233 REACH: 2 SITE NO: 233 SITE LB: EF11 ACCESS: NFL

DATE: 19991011 TIME: 11:00 AGENCY: CO16 CREW: MS SR

CHANNEL: 233 MTD: EF11 STAGE: 1 FLOOD SIGNAL: 0

DEPTH: 0.1 CH. GRAD: 1.1 FLOOD SIGNAL: 0

COVER: 5 DIST: C INSTREAM VER: A M V

TEXTURE: 000 BAR: 0 COUPLING: 0 CONFINEMENT: EN CO FC OC NA

PHOTO: R_F_

WATER BODY NAME: Unnamed LAKE STREAM WETLAND

WATERSHIP CODE: 180154530045700351684

WATERBODY ID: 234 REACH: 2 SITE NO: 234 SITE LB: EF11 ACCESS: NFL

DATE: 19991011 TIME: 10:13 AGENCY: CO16 CREW: SR MS

CHANNEL: 234 MTD: EF11 STAGE: 1 FLOOD SIGNAL: 0

DEPTH: 0.1 CH. GRAD: 1.1 FLOOD SIGNAL: 0

COVER: 5 DIST: C INSTREAM VER: A M V

TEXTURE: 000 BAR: 0 COUPLING: 0 CONFINEMENT: EN CO FC OC NA

PHOTO: R_F_

GAZETTED NAME: Unnamed (local)

WATERSHIP CODE: 180154530045700351684

WATERBODY ID: 234 REACH: 2 SITE NO: 234 SITE LB: EF11 ACCESS: NFL

DATE: 19991011 TIME: 10:13 AGENCY: CO16 CREW: SR MS

CHANNEL: 234 MTD: EF11 STAGE: 1 FLOOD SIGNAL: 0

DEPTH: 0.1 CH. GRAD: 1.1 FLOOD SIGNAL: 0

COVER: 5 DIST: C INSTREAM VER: A M V

TEXTURE: 000 BAR: 0 COUPLING: 0 CONFINEMENT: EN CO FC OC NA

PHOTO: R_F_

WATER BODY NAME: Unnamed (local)

WATERSHIP CODE: 180154530045700351684

WATERBODY ID: 235 REACH: 2 SITE NO: 235 SITE LB: EF11 ACCESS: NFL

DATE: 19991011 TIME: 10:05 AGENCY: CO16 CREW: SR MS

CHANNEL: 235 MTD: EF11 STAGE: 1 FLOOD SIGNAL: 0

DEPTH: 0.1 CH. GRAD: 1.1 FLOOD SIGNAL: 0

COVER: 5 DIST: C INSTREAM VER: A M V

TEXTURE: 000 BAR: 0 COUPLING: 0 CONFINEMENT: EN CO FC OC NA

PHOTO: R_F_

FISH COLLECTION FORM

GAZETTED NAME: Unnamed (local)

WATERSHED CODE: 180545300457009516841320

WATERBODY ID: 7308 ILP MAP # 7308

PROJECT ID: 235 REACH # 2 AGENCY: CO16 CREW: MT3P

DATE: 19/9/07 TIME: 11:00 ESTIMATE: 11 SITE NO.: 235 EF 1 NR

SITE/METHOD	FISH SUMMARY										
	C	DATE	TIME	NO.	SPECIES	STAGE	AGE	TOTAL	MIN. LENGTH	MAX. LENGTH	FISH ACT.

A. GEAR SETTINGS								B. NET/TRAP SPECIFICATIONS								
C	SITE NO.	MTD/NO.	N/P	DATE IN	TIME IN	DATE OUT	TIME OUT	NO. OF NETS	LENGTH	WIDTH	NO. OF ENDS	NET TYPE	LENGTH	NO. OF ENDS	NET TYPE	NO. OF ENDS

COMMENTS: low at road showing conditions, small creek

C. ELECTROFISHER SPECIFICATIONS									
C	SITE NO.	MTD/NO.	N/P	VOLTAGE	PULSE	PULSE	WAVE	MODE	NO.

WATER QUALITY FORM

STREAM NAME: Unnamed (local)

WATERSHED CODE: 18054530045700956074

WATERBODY ID: 73011 ILP MAP # 73011

REACH # 1 ESTIMATE: 236 AGENCY: CO16 CREW: SR ACCESS: FT

DATE: 19/9/07 TIME: 08:30 SITE NO.: 236 EF 1 NR

CHANNEL		GRADIENT		FLOOD SIGNS		REG. #	
CH WIDTH	<u>MS 0.50 0.60 0.40 0.30 0.40 0.5</u>	GRADIENT	<u>1.5 8</u>	FLOOD SIGNS	<u>9 °C</u>	REG. #	<u>MS</u>
WEIRED WIDTH	<u>MS 0.50 0.60 0.40 0.30 0.40 0.5</u>	TEMP	<u>9 °C</u>	COND.	<u>µS</u>		
REK POOL DEPTH	<u>MS 0.20 0.10 0.20 0.10 0.2</u>	TURB.	<u>T M L 0</u>				

W₆ DEPTH: 0.2, 0.2 STAGE: L M 0 No. Vts. Ch. X Inc. 1

COVER		DISTURBANCE INDICATORS		PATTERN		ISLANDS		BANKS		COUPLING		CONFINEMENTS	
SWD	<u>LWD B C DP OV IV</u>	O1	<u>B1 B2 B3 D1 D2 D3</u>	TM	<u>ME IM SI ST</u>	N	<u>O I F S AN</u>	N	<u>D P M T L</u>	DC	<u>PC CO</u>	EN	<u>CO FC OC UN N/A</u>

COMMENTS: Not suitable bed for fish, tiny trickle of water, breaks & masses of a creek, possibly by FFE

FISH COLLECTION FORM

GAZETTED NAME: Unnamed (local)

WATERSHED CODE: 18054530045700956074

WATERBODY ID: 73011 ILP MAP # 73011

PROJECT ID: 236 REACH # 1 AGENCY: CO16 CREW: SR, MT

DATE: 19/9/07 TIME: 12:00 ESTIMATE: 11 SITE NO.: 236 EF 1 NR

SITE/METHOD	FISH SUMMARY										
	C	DATE	TIME	NO.	SPECIES	STAGE	AGE	TOTAL	MIN. LENGTH	MAX. LENGTH	FISH ACT.

A. GEAR SETTINGS								B. NET/TRAP SPECIFICATIONS								
C	SITE NO.	MTD/NO.	N/P	DATE IN	TIME IN	DATE OUT	TIME OUT	NO. OF NETS	LENGTH	WIDTH	NO. OF ENDS	NET TYPE	LENGTH	NO. OF ENDS	NET TYPE	NO. OF ENDS

COMMENTS: Not suitable bed for fish, tiny trickle of water, breaks & masses of a creek, possibly by FFE

C. ELECTROFISHER SPECIFICATIONS									
C	SITE NO.	MTD/NO.	N/P	VOLTAGE	PULSE	PULSE	WAVE	MODE	NO.

WATER QUALITY FORM

STREAM NAME: Unnamed (local)

WATERSHED CODE: 18054530045700951919

WATERBODY ID: 73012 ILP MAP # 73012

REACH # 1 ESTIMATE: 237 AGENCY: CO16 CREW: SR ACCESS: FT

DATE: 19/9/07 TIME: 09:00 SITE NO.: 237 EF 1 NR

CHANNEL		GRADIENT		FLOOD SIGNS		REG. #	
CH WIDTH	<u>MS 0.30 0.3</u>	GRADIENT	<u>4 6</u>	FLOOD SIGNS	<u>8 °C</u>	REG. #	<u>MS</u>
WEIRED WIDTH	<u>MS 0.30 0.3</u>	TEMP	<u>8 °C</u>	COND.	<u>µS</u>		
REK POOL DEPTH	<u>MS 0.1 0.1 0.1</u>	TURB.	<u>T M L 0</u>				

W₆ DEPTH: 0.1, 0.1, 0.1 STAGE: L M 0 No. Vts. Ch. X Inc. 1

COVER		DISTURBANCE INDICATORS		PATTERN		ISLANDS		BANKS		COUPLING		CONFINEMENTS	
SWD	<u>LWD B C DP OV IV</u>	O1	<u>B1 B2 B3 D1 D2 D3</u>	TM	<u>ME IM SI ST</u>	N	<u>O I F S AN</u>	N	<u>D P M T L</u>	DC	<u>PC CO</u>	EN	<u>CO FC OC UN N/A</u>

COMMENTS: Not suitable bed for fish, tiny trickle of water, breaks & masses of a creek, possibly by FFE

SITE CARD

NAME: <u>Unamed</u>											
WATERSHED CODE: _____											
ELEVATION: <u>2370</u>											
DATE: <u>10/19/07</u> TIME: <u>11:00</u> AGENCY: <u>CO16</u> SHEW: <u>S2</u> R3											
CHANNEL: _____ GRADIENT: _____ FLOOD ENGINE: _____											
CHANNEL WIDTH: _____ TEMP: _____ ROAD: _____											
WATER DEPTH: _____ STAGE: <u>L M H</u> No. Vts. Ch. <input checked="" type="checkbox"/> Int. <input type="checkbox"/>											
BED MATERIAL: _____ DISTANCE INDICATORS: _____											
COVER: SWD LWD B C DP OV R CROWN CLOSURE: _____ DISTANCE INDICATORS: _____											
DISTANCE INDICATORS: C1 C2 C3 C4 C5 S1 S2 S3 S4 S5											
ISLANDS: _____ BARS: _____ COUPLING: _____											
CONFINEMENT: EN CD FC DC LM N/A											
C NO MAP: _____ PHOTO: _____ COMMENTS: _____											
R_F_											
R_F_											
R_F_											
R_F_											

HABITAT QUALITY		HABITAT TYPE	WATER ZONE	QUALITY	SPECIES	COMMENTS
BEARING HABITAT						
SPAWNING HABITAT						
OVERWINTER HABITAT						
COVER						
OTHER						
PREY: TRIB <input type="checkbox"/> SC <input type="checkbox"/> FC <input type="checkbox"/> SWP/SLG <input type="checkbox"/> FJ/BV <input type="checkbox"/>						
PHOTO DOCUMENTATION						
WILDLIFE						
GROUP				WILDLIFE OBSERVATIONS		
GROUP				WILDLIFE OBSERVATIONS		
COMMENTS						
C	Site from ed king of site block 42001.					C
Nothing more than sandy ground with few shrubs. Coming to invent. NEX						
NCD						

INDIVIDUAL FISH DATA																		
C	SITE	MTD/NO.	N/P	SPEC.	LENGTH	WEIGHT	SEX	MATUR.	AGE	AGE	AGE	AGE	AGE	VOUCHER #	GENITO	GENITO	COMMENTS	PHOTO
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F

HABITAT QUALITY	HABITAT TYPE	ZONE	QUALITY	SPECIES	COMMENTS
REARING HABITAT	1	N			
SPAWNING HABITAT	1	N			
OVERWINTER HABITAT	1	N			
COVER	1	N			
OTHER					

PHOTO DOCUMENTATION	ROLL #	FRAME #	FOCAL	DIR.	COMMENTS
1	20	ST	BD		

WILDLIFE	GROUP	WILDLIFE OBSERVATIONS	GROUP	WILDLIFE OBSERVATIONS
COMMENTS		Site from mouth n/s		in Distal C.
		NCD - looks continuous bandy		
		cont. fluvial substr. flows		
		over bresses & moss bed		
		washed rocks - not to		
		speak shocked anyway		
		No fish - better habitat		

INDIVIDUAL FISH DATA																		
C	SITE	MTD/NO.	N/P	SPEC.	LENGTH	WEIGHT	SEX	MATUR.	AGE	AGE	AGE	AGE	AGE	VOUCHER #	GENITO	GENITO	COMMENTS	PHOTO
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F
																		R_F

HABITAT QUALITY	HABITAT TYPE	ZONE	QUALITY	SPECIES	COMMENTS
REARING HABITAT	1	N			
SPAWNING HABITAT	1	N			
OVERWINTER HABITAT	1	N			
COVER	1	N			
OTHER					

PHOTO DOCUMENTATION	ROLL #	FRAME #	FOCAL	DIR.	COMMENTS
1	21	ST	BD		

WILDLIFE	GROUP	WILDLIFE OBSERVATIONS	GROUP	WILDLIFE OBSERVATIONS
COMMENTS		Site from mouth n/s		water check
		mostly under-pool flus (new inst)		NCD
		in best channelized sections		
		shallow spreads out over		
		down flow through horse tails		
		have continuity for fluvial		
		wood & banks, no fish hab		

HABITAT QUALITY	HABITAT TYPE				COMMENTS
	ZONE	QUALITY	SPECIES		
	6	G	RB		
	10	F	↓		
	10	M			
	10	G			

FAC	TRIB	SC	FC	SWP/SLG	R/BV	COMMENTS
Z	15	S	880	Photo 15		~ 13:15

WILDLIFE OBSERVATIONS	GROUP	WILDLIFE OBSERVATIONS

COMMENTS:

- lack of rocks
- lots of algal mats
- lack sampling access

(54)

INDIVIDUAL FISH DATA																			
C	SIZE	MTD/NO.	N/P	SPEC.	LENGTH	WEIGHT	SEX	MATUR.	AGE	AGE	AGE	AGE	AGE	AGE	AGE	AGE	AGE	COMMENTS	PHOTO
									STRUTUM	SAMPLE	AN	VOUCHER	STRUTUM	SAMPLE					R_F
																			R_F
																			R_F
																			R_F
																			R_F
																			R_F
																			R_F
																			R_F
																			R_F
																			R_F
																			R_F
																			R_F
																			R_F
																			R_F
																			R_F
																			R_F
																			R_F
																			R_F
																			R_F

GEAR SPECIFICATIONS	NET / TRAP SPECIFICATIONS											
	SIZE	TYPE	NO.	DATE	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT
	231	EF	1		18.0	11.0	0.9	0	600	70	6	SK RB

COMMENTS:

EF: 2100 VIS lack of hab. all riffles no landing places for resting, 12 spawning, 19% D.9CW

GEAR SPECIFICATIONS	NET / TRAP SPECIFICATIONS											
	SIZE	TYPE	NO.	DATE	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT
	232	EF	1		10.3	12.00	0.7	-	400	70	6ms	SR RB

COMMENTS:

EF: 2100 VIS lack of hab. all riffles no landing places for resting, 12 spawning, 19% D.9CW

FISH COLLECTION FORM

WATER BODY NAME: Reservoir COUNTY: KLID LAKE STREAM WETLAND

WATER BODY ID: 199611015 AGENCY: COLB COUNTY: KLID RE-SAMPLE

DATE: 11/11/15 TIME: 12:00 SITE: SR METHOD: FT

SITE/METHOD: 46

FISH SUMMARY:

46	EF 11	1	NFP		
46	EF 11	2	NFP		

FISH COLLECTION FORM

WATER BODY NAME: Reservoir COUNTY: KLID LAKE STREAM WETLAND

WATER BODY ID: 199611015 AGENCY: COLB COUNTY: KLID RE-SAMPLE

DATE: 11/11/15 TIME: 12:00 SITE: SR METHOD: FT

SITE/METHOD: 47

WATER TEMPERATURE: 35 °C

WATER PHOTODUCTION: 15 2 SP

COVER:

Type	SWD	LWD	B	U	DP	DV	IV
AMT	T	S	N	T	D	T	N
LOC							

INIT SHR PS YF MF NA

FISH COLLECTION FORM

WATER BODY NAME: Reservoir COUNTY: KLID LAKE STREAM WETLAND

WATER BODY ID: 199611015 AGENCY: COLB COUNTY: KLID RE-SAMPLE

DATE: 11/11/15 TIME: 12:00 SITE: SR METHOD: FT

SITE/METHOD: 47

FISH SUMMARY:

47	EF 11	1	NFP		2
47	EF 11	2	NFP		0

FISH COLLECTION FORM

WATER BODY NAME: Reservoir COUNTY: KLID LAKE STREAM WETLAND

WATER BODY ID: 199611015 AGENCY: COLB COUNTY: KLID RE-SAMPLE

DATE: 11/11/15 TIME: 12:00 SITE: SR METHOD: FT

SITE/METHOD: 48

FISH SUMMARY:

48	EF 11	1	NFP		2
48	EF 11	2	NFP		2

FISH COLLECTION FORM

WATER BODY: Ful RV LAKE STREAM WETLAND

WATER SOURCE: re-sampled RAIN RFO SITE/LAKE CARD ATTACHED Y N

DATE: 19980728 AGENCY: CO16 CREW: MS, NJ RE-SAMPLE

SITE #/METHOD: S3 EF1 13.1 COMMENTS: C

FISH SUMMARY

S3	EF1	1	NFP	0
----	-----	---	-----	---

FISH COLLECTION FORM

WATER BODY: Ful RS LAKE STREAM WETLAND

WATER SOURCE: re-sampled RAIN RFO SITE/LAKE CARD ATTACHED Y N

DATE: 19980728 AGENCY: CO16 CREW: MS, NJ RE-SAMPLE

SITE #/METHOD: S4 EF1 12.5 COMMENTS: C

FISH SUMMARY

S4	EF1	1	NFP	0
S4	EF1	2	NFP	0

Remarks: Re-sampling - no fish due to stage during visit.

SITECARD

WATER BODY: Ful RS LAKE STREAM WETLAND

WATER SOURCE: re-sampled RAIN RFO SITE/LAKE CARD ATTACHED Y N

DATE: 19980728 AGENCY: CO16 CREW: MS, NJ RE-SAMPLE

SITE #/METHOD: S5 300.6 COMMENTS: PT

CHANNEL

CHANNEL: mbd W U DP OV IV

TEMP: 8 °C

COND: 107 µS/cm

TURB: 107 T M L C

COVER

SWD: 0 LWD: 0 B: 0 U: 0 DP: 0 OV: 0 IV: 0

INIT SHR: PS YF MF NA

FEATURES

R: F

SITECARD

STREAM NAME: Unusual (local): FLEM

WATERSHED CODE: 18218196009580023709

R.P. MAP # 56 SITE UTM 10140 AGENCY: CO16 CREW: SE, NJ FISH FORM # Y0

DATE: 19980716 TIME: 10:40 AGENCY: CO16 CREW: SE, NJ FISH FORM # Y0

CHANNEL: mbd W U DP OV IV

CHANNEL WIDTH (m): 66 WETTED WIDTH (m): 66 DEEP POOL DEPTH (m): 0.1

TEMP: 8 °C

COND: 107 µS

TURB: 107 T M L C

COVER

SWD: 0 LWD: 0 B: 0 U: 0 DP: 0 OV: 0 IV: 0

INIT SHR: PS YF MF NA

FEATURES

R: F

FISH COLLECTION FORM

GAZETTED NAME: Unnamed (local) Fuhiii

WATERSHED CODE: 18281961015800484203740

WATERBODY ID: _____

PROJECT NO: _____ REACH #: _____ FISH PERMIT #: _____

DATE: 19990716 AGENCY: CO16 CREW: SR PJ

SITE / METHOD	SITE / METHOD					FISH SUMMARY										
	C	DATE IN	DATE OUT	TIME IN	TIME OUT	SITE NO.	MTD / NO.	N/P	SPECIES	STAGE	AGE	TOTAL LENGTH	SNOUT-VENT LENGTH	WEIGHT	SEX	AGE
49	EF	1	07116	0800	07116	0805	158	160	1.2	0						

A. GEAR SETTINGS

B. NET / TRAP SPECIFICATIONS

C. ELECTROFISHER SPECIFICATIONS

2 1/2 case for 10m @ mouth, 5m @ 10m @ mouth with some due G/C inaccessible to fish from FWH, shadon & 14% grad above case.

49 EF 1 1 700 60 6 SR 12E

56

FISH COLLECTION FORM

GAZETTED NAME: Unnamed (local) Fuhiii

WATERSHED CODE: 18281961015800484203740

WATERBODY ID: _____

PROJECT NO: _____ REACH #: _____ FISH PERMIT #: _____

DATE: 19990716 AGENCY: CO16 CREW: SR PJ

SITE / METHOD	SITE / METHOD					FISH SUMMARY										
	C	DATE IN	DATE OUT	TIME IN	TIME OUT	SITE NO.	MTD / NO.	N/P	SPECIES	STAGE	AGE	TOTAL LENGTH	SNOUT-VENT LENGTH	WEIGHT	SEX	AGE
50	EF	1	07116	0835	07116	0840	118	130	0.8	0						

A. GEAR SETTINGS

B. NET / TRAP SPECIFICATIONS

C. ELECTROFISHER SPECIFICATIONS

Site above CV 1KCC F/6 is subst. shelter with no terrestrial hab inaccessible from mouth

50 EF 1 1 600 60 6 SR 12E

56

FISH COLLECTION FORM

GAZETTED NAME: Unnamed (local) Fuhiv

WATERSHED CODE: 18281961015800484203740

WATERBODY ID: _____

PROJECT NO: resalpinho REACH #: _____ FISH PERMIT #: _____

DATE: 19990728 AGENCY: CO16 CREW: MJM

SITE / METHOD	SITE / METHOD					FISH SUMMARY										
	C	DATE IN	DATE OUT	TIME IN	TIME OUT	SITE NO.	MTD / NO.	N/P	SPECIES	STAGE	AGE	TOTAL LENGTH	SNOUT-VENT LENGTH	WEIGHT	SEX	AGE
51	EF	1	RB	A		232	232		R							

A. GEAR SETTINGS

B. NET / TRAP SPECIFICATIONS

C. ELECTROFISHER SPECIFICATIONS

FISH COLLECTION FORM

GAZETTED NAME: Unnamed (local) Fuhiv

WATERSHED CODE: 18281961015800484203740

WATERBODY ID: _____

PROJECT NO: resalpinho REACH #: _____ FISH PERMIT #: _____

DATE: 19990728 AGENCY: CO16 CREW: MJM

SITE / METHOD	SITE / METHOD					FISH SUMMARY										
	C	DATE IN	DATE OUT	TIME IN	TIME OUT	SITE NO.	MTD / NO.	N/P	SPECIES	STAGE	AGE	TOTAL LENGTH	SNOUT-VENT LENGTH	WEIGHT	SEX	AGE
52	N/A															

A. GEAR SETTINGS

B. NET / TRAP SPECIFICATIONS

C. ELECTROFISHER SPECIFICATIONS

DRY

SITE CARD

STREAM NAME: PLEH 2 (local)

WATERSHED CODE: 1828196995800237096910

R/F MAP # 1 R/P # 57 NID MAP # 1026 ACCESS: V4

DATE: 19980716 TIME: 1055 AGENCY: CO16 CREW: 42 SITE LG: 1026 FISH FORM: Y0 N1E

CHANNEL: 6E GRADIENT: 45 FLOOD SIGNS: 34 REG.#: 45

EMITTED WIDTH: 6E TEMP: 9 COND.: µS

WATER DEPTH: 0.5 STAGE: OM H No Vls. Ch. Int. BED MATERIAL: Dominant G Subdom. F

C COVER: 7 % CROWN CLOSURE: 0 DISTURBANCE INDICATORS: 01 B1 B2 B3 D1 D2 D3

SWD LWD B C DP OV IV 5 1 2 3 4 5 DISTURBANCE INDICATORS: 02 C2 C3 C4 C5 S1 S2 S3 S4 S5

EMITTED WIDTH: 6E INSTREAM VEG: 0 A M V PATTERN: TM ME IM SI ST

TEXTURE: 0 C B R A ISLANDS: 0 I F S AN

BAR: 0 D P M T L

COUPLING: 0 PC CO

CONFINEMENT: 0 EN CD FC UN N/A

C NID MAP # 1 NID # 1026 TYPE: HT/LG PHOTO: UTM

SITE CARD

STREAM NAME: Umeau (local)

WATERSHED CODE: 1628146279580044609

R/F MAP # 2 R/P # 2 NID MAP # 1026 ACCESS: V4

DATE: 19980717 TIME: 1100 AGENCY: CO16 CREW: MTJ SITE LG: 1026 FISH FORM: Y0 N1E

CHANNEL: 6E GRADIENT: 45 FLOOD SIGNS: 34 REG.#: 45

EMITTED WIDTH: 6E TEMP: 17.5 COND.: µS

WATER DEPTH: 0.5 STAGE: OM H No Vls. Ch. Int. BED MATERIAL: Dominant F Subdom. NA

C COVER: 50 % CROWN CLOSURE: 0 DISTURBANCE INDICATORS: 01 B1 B2 B3 D1 D2 D3

SWD LWD B C DP OV IV 5 1 2 3 4 5 DISTURBANCE INDICATORS: 02 C1 C2 C3 C4 C5 S1 S2 S3 S4 S5

EMITTED WIDTH: 6E INSTREAM VEG: 0 A M V PATTERN: TM ME IM SI ST

TEXTURE: 0 C B R A ISLANDS: 0 I F S AN

BAR: 0 D P M T L

COUPLING: 0 PC CO

CONFINEMENT: 0 EN CD FC UN N/A

C NID MAP # 2 NID # 1026 TYPE: HT/LG PHOTO: UTM

FISH SUMMARY

S8 EF1 1 RB 7 14 29 113 R

EF1 2 NFP

46 RB habitat from the start of a ramp. upper section of E3 (S6)

SITE CARD

STREAM NAME: FNF (local)

WATERSHED CODE: 1828196995800237096910

R/F MAP # 2 R/P # 59 NID MAP # 1026 ACCESS: V4

DATE: 19980717 TIME: 1230 AGENCY: CO16 CREW: MTJ SITE LG: 449 FISH FORM: Y0 N1E

CHANNEL: 6E GRADIENT: 45 FLOOD SIGNS: 34 REG.#: 45

EMITTED WIDTH: 6E TEMP: 17.5 COND.: µS

WATER DEPTH: 0.5 STAGE: OM H No Vls. Ch. Int. BED MATERIAL: Dominant F Subdom. NA

C COVER: 50 % CROWN CLOSURE: 0 DISTURBANCE INDICATORS: 01 B1 B2 B3 D1 D2 D3

SWD LWD B C DP OV IV 5 1 2 3 4 5 DISTURBANCE INDICATORS: 02 C1 C2 C3 C4 C5 S1 S2 S3 S4 S5

EMITTED WIDTH: 6E INSTREAM VEG: 0 A M V PATTERN: TM ME IM SI ST

TEXTURE: 0 C B R A ISLANDS: 0 I F S AN

BAR: 0 D P M T L

COUPLING: 0 PC CO

CONFINEMENT: 0 EN CD FC UN N/A

C NID MAP # 2 NID # 1026 TYPE: HT/LG PHOTO: UTM

SITE CARD

STREAM NAME: FNF (local)

WATERSHED CODE: 1828196995800237096910

R/F MAP # 2 R/P # 59 NID MAP # 1026 ACCESS: V4

DATE: 19980717 TIME: 1230 AGENCY: CO16 CREW: MTJ SITE LG: 449 FISH FORM: Y0 N1E

CHANNEL: 6E GRADIENT: 45 FLOOD SIGNS: 34 REG.#: 45

EMITTED WIDTH: 6E TEMP: 17.5 COND.: µS

WATER DEPTH: 0.5 STAGE: OM H No Vls. Ch. Int. BED MATERIAL: Dominant F Subdom. NA

C COVER: 50 % CROWN CLOSURE: 0 DISTURBANCE INDICATORS: 01 B1 B2 B3 D1 D2 D3

SWD LWD B C DP OV IV 5 1 2 3 4 5 DISTURBANCE INDICATORS: 02 C1 C2 C3 C4 C5 S1 S2 S3 S4 S5

EMITTED WIDTH: 6E INSTREAM VEG: 0 A M V PATTERN: TM ME IM SI ST

TEXTURE: 0 C B R A ISLANDS: 0 I F S AN

BAR: 0 D P M T L

COUPLING: 0 PC CO

CONFINEMENT: 0 EN CD FC UN N/A

C NID MAP # 2 NID # 1026 TYPE: HT/LG PHOTO: UTM

FISH SUMMARY

S9 EF1 1 NFP 0

FISH COLLECTION FORM

LAKE STREAM WETLAND
 FWF
 WATERBODY ID: 18281960095800144600
 PROJECT ID: 3
 AGENCY: COIG
 DATE: 19990716
 REACH: 3
 FISH PERMIT: 11117
 CREW: SA, HT
 FISH SUMMARY
 60
 60

GAZETTED NAME: Unnamed (local) FWF
 WATERSHED CODE: 18281960095800144600
 WATERBODY ID: 18281960095800144600
 PROJECT ID: 3
 AGENCY: COIG
 DATE: 19990716
 REACH: 3
 FISH PERMIT: 11117
 CREW: SA, HT
 FISH SUMMARY
 C SITE NO. MTD/NO. N/P SPECIES STAGE AGE TOTAL # BASS LENGTH BASS LENGTH FISH ACT.
 60 EF1 1 NEU 0
 A. GEAR SETTINGS
 C SITE NO. MTD/NO. N/P DATE IN TIME IN DATE OUT TIME OUT SP. NO. LENGTH WIDTH ENCL. NET TYPE LENGTH DEPTH MESH NET HAAR
 60 EF1 1 0716 0715 0716 0720 124 150 0.3 0
 B. NET/TRAP SPECIFICATIONS
 C. ELECTROFISHER SPECIFICATIONS
 SITE NO. MTD/NO. N/P VOLTAGE PULS. PULSE MAKE MODEL
 60 EF1 1 500 60 6 SA 120
 Comments: shallow trickle with scattered shells (0.1m deep) and trace of cover. Seasonal down support AB pop from d/s. Inaccessible due to extensive swamp in R2. SC

GAZETTED NAME: Unnamed (local) FWF (@ No. 10 rd. vine)
 WATERSHED CODE: 18281960095800144600
 WATERBODY ID: 18281960095800144600
 PROJECT ID: 3
 AGENCY: COIG
 DATE: 19990716
 REACH: 3
 FISH PERMIT: 11117
 CREW: SA, HT
 FISH SUMMARY
 C SITE NO. MTD/NO. N/P SPECIES STAGE AGE TOTAL # BASS LENGTH BASS LENGTH FISH ACT.
 61 EF1 1 NEU 0
 A. GEAR SETTINGS
 C SITE NO. MTD/NO. N/P DATE IN TIME IN DATE OUT TIME OUT SP. NO. LENGTH WIDTH ENCL. NET TYPE LENGTH DEPTH MESH NET HAAR
 61 EF1 1 0716 10:05 0716 10:10 93 140 0.3 0
 B. NET/TRAP SPECIFICATIONS
 C. ELECTROFISHER SPECIFICATIONS
 SITE NO. MTD/NO. N/P VOLTAGE PULS. PULSE MAKE MODEL
 61 EF1 1 400 60 6 SA 120
 Comments: Shallow swampy creek full of organic. Barely flowing - 1-2 cm deep. Hardly possible to sample. Not suitable fish hab. (56)

STREAM NAME: Unnamed (local) FWF
 WATERSHED CODE: 18281960095800144600
 I/P MAP #
 REACH # 1
 SITE # 62
 AGENCY: COIG
 DATE: 19990716
 TIME: 0800
 CREW: SA, HT
 ACCESS: V4
 CHANNEL: mod. GRADIENT: mod. FLOOD SIGNS: mod. REQ. #
 CHANNEL WIDTH (m): mod. TEMP: °C COND.: µS
 WETTED WIDTH (m): mod. pH: TURB.: T M C
 REE. POOL DEPTH (m): mod.
 WA, DEPTH: STAGE: M H No. Via. Ch. Int. I DW: I I Bed Material: Dominant Subdom.
 COVER
 C COVER: % (Total) SWD LWD B C OP OV IV CROWN CLOSURE DISTURBANCE INDICATORS
 DISBURSE: C E INSTREAM VEG: N A M V PATTERN: TM ME IM IR SI ST
 LWD: U V S O RB: S U V S O BRANDS: N O I F S AN
 STEXTURE: F G C B R A STEXTURE: F G C B R A BARS: N D P M T L
 COUPLING: DC PC CO COUPLING: DC PC CO
 CONFINEMENT: EN CO FC OC UN N/A
 FEATURES
 C. AND MAP # TYPE: MT/LG (m) PHOTO: COMMENTS:

SITE CARD

STREAM NAME: *unnamed* (local) *FUN*

WATERSHED CODE: *1828196009580051300*

REACH # *1* SITE # *03* SITE UTM: *15000* ACCESS: *1/4*

DATE: *1/9/07* TIME: *09:30* AGENCY: *CO16* CREW: *HJ SR*

CHANNEL: *1* GRADIENT: *AS* FLOOD BARRS: *NEQ 0*

CHANNEL WIDTH (m): *0.8* SWIFTED WIDTH (m): *0.8* BEK POOL DEPTH (m): *0.4*

W/D/DEPTH: *0.4/0.2/0.3* STAGE: *DM H*

COVER: SWD LWD B C DP DV IV CROWN CLOSURE: *0 1 2 3 4 5*

Disturbance Indicators: *01 B1 B2 B3 D1 D2 D3*

Pattern: *TM ME IM SI ST*

Islands: *0 I F S AN*

Bars: *0 D P M T L*

Coupling: *DC PC CO*

Confinement: *EN CO FC DC UN N/A*

RED MATERIAL: *5* Morph: *RP*

PHOTO: *R-F*

COMMENTS: *UTM*

SITE/METHOD

WATERSHED CODE: *1828196009580051300* (local) *FUN*

WATERBODY ID: *re-sampling* REACH # *2* SITE LAKE CARD ATTACHED: Y N

DATE: *1/9/07* TIME: *07:20* AGENCY: *CO16* CREW: *HJ HJ*

MAP # *64* STREAM CONDITION: *EF1 K0*

RE-SAMPLE: Y N

COMMENTS: *64 EF1 1 NFO 0*

FISH SUMMARY: *64 EF1 1 NFO 0*

GEAR SPECIFICATIONS

GAZETTED NAME: *unnamed* (local) *FUN @ blk 12902*

WATERSHED CODE: *1828196009580051300*

PROJECT ID: *re-sampling* REACH # *2* FISH PERMIT # *ILP#*

DATE: *1/9/07* TIME: *07:20* AGENCY: *CO16* CREW: *HJ HJ*

MAP # *65* STREAM CONDITION: *EF1 1 NFO*

A. GEAR SETTINGS

C	SITE NO.	MTD/NO.	H/P	DATE IN	TIME IN	DATE OUT	TIME OUT	SP. REC.	LENGTH	WIDTH	ENCL.	NET TYPE	LENGTH	DEPTH	SCREEN SIZE	NET	SHAPE
	<i>65</i>	<i>EF1</i>	<i>1</i>						<i>160</i>	<i>120</i>	<i>3'</i>	<i>0</i>					

B. NET/TRAP SPECIFICATIONS

C. ELECTROFISHER SPECIFICATIONS

SITE NO.	MTD/NO.	H/P	VOLTAGE	PULSE	PULSE	SHAPE	MODEL
<i>65</i>	<i>EF1</i>	<i>1</i>	<i>500</i>	<i>100</i>	<i>7</i>	<i>SR</i>	<i>12B</i>

COMMENTS: *Site @ blk 12902*
wide range
mostly small H₂O, sweep
in addition later by BD

SITE CARD

STREAM NAME: *unnamed* (local) *FUN*

WATERSHED CODE: *1828196009580051300*

REACH # *1* SITE # *106* SITE UTM: *15000* ACCESS: *1/4*

DATE: *1/9/07* TIME: *07:15* AGENCY: *CO16* CREW: *HJ HJ*

CHANNEL: *1* GRADIENT: *CL* FLOOD BARRS: *NEQ 0*

CHANNEL WIDTH (m): *1.2* SWIFTED WIDTH (m): *1.2* BEK POOL DEPTH (m): *0.2*

W/D/DEPTH: *0.2/0.2/0.1* STAGE: *DM H*

COVER: SWD LWD B U DP DV IV CROWN CLOSURE: *0 1 2 3 4 5*

Disturbance Indicators: *01 B1 B2 B3 D1 D2 D3*

Pattern: *TM ME IM IR SI ST*

Islands: *N O I F S AN*

Bars: *N SIDE DIAG MID SPAN BR*

Coupling: *DC PC CO*

Confinement: *EN CO FC DC UN N/A*

RED MATERIAL: *10* Morph: *RP*

PHOTO: *R-F*

COMMENTS: *UTM*

SITE CARD

STREAM NAME: unnamed (local): Creek #1 Fun E.

WATERSHED CODE: 11918107129 AGENCY: CO16 CREW: MT MJ ACCESS: FT

DATE: 07129 TIME: 09100 REACH: 2 SITE: 67 SITE UTM: UTM SITE LG: 2006

CHANNEL: mhd 0.2 GRADIENT: 0.03 FLOOD SIGNS: RS BED MATERIAL: DM H No Vls. Ch. Dry/fat. DW Tribes.

COVER: Type SWD LWD B U DP OV IV AMT T N N T N D N LDC 0 1 2 3 4 5 DISTURBANCE INDICATORS: 01 B1 B2 B3 D1 D2 D3 C1 C2 C3 C4 C5 S1 S2 S3 S4 S5

FEATURES: C NO MAP # NO TYPE INT/LA PHOTO COMMENTS UTM

SITE CARD

STREAM NAME: unnamed (local): Fun Creek #1 (re-entrant)

WATERSHED CODE: 11918107129 AGENCY: CO16 CREW: MT MJ ACCESS: FT

DATE: 07129 TIME: 07100 REACH: 2 SITE: 69 SITE UTM: UTM SITE LG: 2006

CHANNEL: mhd 0.2 GRADIENT: 0.03 FLOOD SIGNS: RS BED MATERIAL: DM H No Vls. Ch. Dry/fat. DW Tribes.

COVER: Type SWD LWD B U DP OV IV AMT T N N T N D N LDC 0 1 2 3 4 5 DISTURBANCE INDICATORS: 01 B1 B2 B3 D1 D2 D3 C1 C2 C3 C4 C5 S1 S2 S3 S4 S5

FEATURES: C NO MAP # NO TYPE INT/LA PHOTO COMMENTS UTM

SITE CARD

STREAM NAME: unnamed (local): Fun

WATERSHED CODE: 11918107129 AGENCY: CO16 CREW: MT MJ ACCESS: FT

DATE: 07129 TIME: 12100 REACH: 2 SITE: 69 SITE UTM: UTM SITE LG: 2006

CHANNEL: mhd 0.2 GRADIENT: 0.03 FLOOD SIGNS: RS BED MATERIAL: DM H No Vls. Ch. Dry/fat. DW Tribes.

COVER: Type SWD LWD B U DP OV IV AMT T N N T N D N LDC 0 1 2 3 4 5 DISTURBANCE INDICATORS: 01 B1 B2 B3 D1 D2 D3 C1 C2 C3 C4 C5 S1 S2 S3 S4 S5

FEATURES: C NO MAP # NO TYPE INT/LA PHOTO COMMENTS UTM

SITE CARD

STREAM NAME: unnamed (local): Fun Creek #1

WATERSHED CODE: 11918107129 AGENCY: CO16 CREW: MT MJ ACCESS: FT

DATE: 07129 TIME: 09100 REACH: 2 SITE: 70 SITE UTM: UTM SITE LG: 2006

CHANNEL: mhd 0.2 GRADIENT: 0.03 FLOOD SIGNS: RS BED MATERIAL: DM H No Vls. Ch. Dry/fat. DW Tribes.

COVER: Type SWD LWD B U DP OV IV AMT T N N T N D N LDC 0 1 2 3 4 5 DISTURBANCE INDICATORS: 01 B1 B2 B3 D1 D2 D3 C1 C2 C3 C4 C5 S1 S2 S3 S4 S5

FEATURES: C NO MAP # NO TYPE INT/LA PHOTO COMMENTS UTM

SITE CARD

FT 2 = stream 2 in the 1902

19881022 71 0A140 1016 MS SB FT

CHANNEL: *Handwritten notes*

TEMP: *Handwritten* °C

COND: *Handwritten* µS/cm

TMLC: *Handwritten*

COVER TABLE:

Type	SWD	LWD	B	U	DP	OV	IV
AMT							
LOC							

INIT SHR PS YF MFNA

FEATURES: R F

SITE CARD

FT 3 = stream 3 in the 1902

19881022 72 10100 1016 MS SB FT

CHANNEL: *Handwritten notes*

TEMP: *Handwritten* 4 °C

COND: *Handwritten* µS/cm

TMLC: *Handwritten*

COVER TABLE:

Type	SWD	LWD	B	U	DP	OV	IV
AMT	ST						
LOC							

INIT SHR PS YF MFNA

FEATURES: R F

SITE CARD

FT 3

19881022 72 10100 1016 MS SB FT

DATE: 19881022

RE-SAMPLE:

72 EE1 40

72 EE1 1 NEP

SITE CARD

FT 4 = stream 4 in the 1901

19881022 73 10120 1016 MS SB FT

CHANNEL: *Handwritten notes*

TEMP: *Handwritten* °C

COND: *Handwritten* µS/cm

TMLC: *Handwritten*

COVER TABLE:

Type	SWD	LWD	B	U	DP	OV	IV
AMT							
LOC							

INIT SHR PS YF MFNA

FEATURES: R F

SITE CARD

75 in 412 1360

DATE: 11/03/10 TIME: 11:00 AM AGENCY: CO16 CREW: MJ SR ACCESS: FT

CHANNEL: mod

WATER: LAKE STREAM WETLAND

TEMP: 13.0°C

PH: 7.0

NO. OF FISH: 0

NO. OF SPECIES: 0

COVER: NFA, UVS, FGCBRA, NGSCDMW, INIT SHR PS YF MF NA

FEATURES: R, F

Unimoned

FWS - resampling

DATE: 11/03/10 TIME: 11:00 AM AGENCY: CO16 CREW: MJ SR ACCESS: FT

CHANNEL: mod

WATER: LAKE STREAM WETLAND

TEMP: 13.0°C

PH: 7.0

NO. OF FISH: 0

NO. OF SPECIES: 0

COVER: NFA, UVS, FGCBRA, NGSCDMW, INIT SHR PS YF MF NA

FEATURES: R, F

FWS

DATE: 11/03/10 TIME: 11:00 AM AGENCY: CO16 CREW: MJ SR ACCESS: FT

CHANNEL: mod

WATER: LAKE STREAM WETLAND

TEMP: 13.0°C

PH: 7.0

NO. OF FISH: 0

NO. OF SPECIES: 0

COVER: NFA, UVS, FGCBRA, NGSCDMW, INIT SHR PS YF MF NA

FEATURES: R, F

FISH COLLECTION FORM

GAZETTED NAME: Fleming C

WATERSHED CODE: 1182819600958100

WATERBODY ID: 75

PROJECT ID: 75

DATE: 9/9/10 TO 9/11/10 AGENCY: CO16 CREW: SR MJ

C	SITE NO.	MAP NO.	MTD/NO.	STREAM CONDITION	C	SITE NO.	MTD/NO.	N/P	SPECIES	STAGE	AGE	TOTAL #	SEX	MARK	REAR. ACT.
	76		EF 112	H		76	EF 11	NPE				0			
			EF 112	A			EF 12	NPE				0			

A. GEAR SETTINGS

C	SITE NO.	MTD/NO.	N/P	DATE IN	TIME IN	DATE OUT	TIME OUT	BY NO.	LENGTH	WIDTH	ENCL.	NET TYPE	LENGTH	DEPTH	MEAS. SIZE	NET	NO.
	76	EF		9/11/10	12:11	9/11/10	12:17	227	75	2	0						
	76	EF		9/11/10	12:18	9/11/10	12:25	164	105	2	0						

B. NET/TRAP SPECIFICATIONS

C. ELECTROFISHER SPECIFICATIONS

SITE NO.	MTD/NO.	N/P	VOLTAGE	PHAS.	PULSE	MODE	MODEL
76	EF 1		500	60	6	SR	12B
76	EF 2		700	80	4	SR	12B

Beach infested by beavers, crabs with ~ 80 m wide flow over G. Good potential hub for EB/SR but area inaccessible to RB due to extensive stream section d/d.

FISH COLLECTION FORM

Watershed Code: 4801825200 LAKE STREAM WETLAND

Project ID: 1098107110 Agency: CO16 Crew: FR MT Fish Permit: FR 107

Date: 07/11/07 Reach: 78 Site: MT11 Stream Condition: C

Channel: 1098107110 Agency: CO16 Crew: FR MT Fish Permit: FR 107

Channel Width: 66 Gradient: 40 Flood Signs: - Rec'd: -

Swifted Width: 34 Temp: 10.5 Cond: 105

Depth: 1.1 Stage: 1.09 No. Vls. Ch. L: 1 Int. L: 1 Bed Material: F Dominant: F Subdom: LC

COVER	CROWN CLOSURE				DISTURBANCE INDICATORS			ISLANDS			BARS			COUPLING		CONFINEMENT																	
	SWD	LWD	B	C	DP	OV	IV	S	B1	B2	B3	D1	D2	D3	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5	PC	CO	EN	CO	FC	OC	N/A		

Comments: FR 107

GAZETTED NAME: Unamed (local) Sag C.

Watershed Code: 4801825200

Project ID: 1098107110 Agency: CO16 Crew: FR MT Fish Permit: FR 107

Date: 07/11/07 Reach: 78 Site: MT11 Stream Condition: C

Channel: 1098107110 Agency: CO16 Crew: FR MT Fish Permit: FR 107

Channel Width: 66 Gradient: 40 Flood Signs: - Rec'd: -

Swifted Width: 34 Temp: 10.5 Cond: 105

Depth: 1.1 Stage: 1.09 No. Vls. Ch. L: 1 Int. L: 1 Bed Material: F Dominant: F Subdom: LC

COVER	CROWN CLOSURE				DISTURBANCE INDICATORS			ISLANDS			BARS			COUPLING		CONFINEMENT																	
	SWD	LWD	B	C	DP	OV	IV	S	B1	B2	B3	D1	D2	D3	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5	PC	CO	EN	CO	FC	OC	N/A		

Comments: FR 107

GAZETTED NAME: Unamed (local) Sag C.

Watershed Code: 4801825200

Project ID: 1098107110 Agency: CO16 Crew: FR MT Fish Permit: FR 107

Date: 07/11/07 Reach: 78 Site: MT11 Stream Condition: C

Channel: 1098107110 Agency: CO16 Crew: FR MT Fish Permit: FR 107

Channel Width: 66 Gradient: 40 Flood Signs: - Rec'd: -

Swifted Width: 34 Temp: 10.5 Cond: 105

Depth: 1.1 Stage: 1.09 No. Vls. Ch. L: 1 Int. L: 1 Bed Material: F Dominant: F Subdom: LC

COVER	CROWN CLOSURE				DISTURBANCE INDICATORS			ISLANDS			BARS			COUPLING		CONFINEMENT																	
	SWD	LWD	B	C	DP	OV	IV	S	B1	B2	B3	D1	D2	D3	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5	PC	CO	EN	CO	FC	OC	N/A		

Comments: FR 107

GAZETTED NAME: Unamed (local) Sag C.

Watershed Code: 4801825200

Project ID: 1098107110 Agency: CO16 Crew: FR MT Fish Permit: FR 107

Date: 07/11/07 Reach: 78 Site: MT11 Stream Condition: C

Channel: 1098107110 Agency: CO16 Crew: FR MT Fish Permit: FR 107

Channel Width: 66 Gradient: 40 Flood Signs: - Rec'd: -

Swifted Width: 34 Temp: 10.5 Cond: 105

Depth: 1.1 Stage: 1.09 No. Vls. Ch. L: 1 Int. L: 1 Bed Material: F Dominant: F Subdom: LC

COVER	CROWN CLOSURE				DISTURBANCE INDICATORS			ISLANDS			BARS			COUPLING		CONFINEMENT																		
	SWD	LWD	B	C	DP	OV	IV	S	B1	B2	B3	D1	D2	D3	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5	PC	CO	EN	CO	FC	OC	N/A			

Comments: FR 107

300000

19K052 52010

1A180472 96130

CHANNEL: 17.5 °C

WATER: TMLD

COVER: SWD LWD B U DP OV IV

AMT: S N N T N D N

LOC: 0 1 2 3 4 5

PHOTO COMMENTS

R F

LAKE STREAM WETLAND

52010 SITE LAKE CARD ATTACHED Y N

AGENCY: CA 11 CREW: GR 58

83

83 6-11 11-9 0

LAKE STREAM WETLAND

52010 SITE LAKE CARD ATTACHED Y N

AGENCY: CA 11 CREW: GR 58

82

82 6-11 11-9 0

52015

1A180472 96130

CHANNEL: 17.2 °C

WATER: TMLC

COVER: SWD LWD B U DP OV IV

AMT: S N N T N D N

LOC: 0 1 2 3 4 5

PHOTO COMMENTS

R F

SITE CARD

Unamed DP Res. sample # 36

52015

1989110104 82 110140 COLC SR NJ 13068 FIN4

CHANNEL: mtd 11.1 1.3 7.8 1.3 AC 6 °C T3 70 µS/cm ST
 15.4 1.3 6.5 8 1 2 8.2 P2 TML 66

15.2 2.2 15 LON No. Vis. Ch. Dry/Int. DW Triba. F

COVER: SWD LWD B U DP OV IV AMT S T N T D T N LOC RFA CB (D) A M V U V S O F G C B R A N G S D M W INIT SHR PS YF MNA

FEATURES: R_F_

FISH COLLECTION FORM

Unamed DP Res. sample # 36

52015

1989110104 AGENCY COLC CREW SR NJ

82 EF1 6 70 C

82 EF1 1 NFC 0

STREAM NAME Unamed (local): Gul 1

WATERSHED CODE: 4809 5380 0121 6004 0500

REACH # 6- SITE # 83 SITE UTM # 170110 ACCESS # 14

DATE: 1989110104 TIME: 12110 AGENCY: COLC CREW: SR NJ FISH FORM: YX N

CHANNEL: mtd 11.1 1.3 7.8 1.3 AC 6 °C T3 70 µS/cm ST
 15.4 1.3 6.5 8 1 2 8.2 P2 TML 66

COVER: SWD LWD B U DP OV IV AMT S T N T D T N LOC RFA CB (D) A M V U V S O F G C B R A N G S D M W INIT SHR PS YF MNA

FEATURES: R_F_

FISH COLLECTION FORM

GAZETTED NAME: Unamed (local): Gul 1

WATERSHED CODE: 4809 5380 0121 6004 0500

PROJECT ID: 98910714 REACH # 6 FISH PERMIT #

DATE: 198910714 AGENCY: COLC CREW: SR NJ

C	SITE NO.	MAP NO.	NID MAP #	MTD / NO.	STREAM CONDITION	C	SITE NO.	MTD / NO.	N/P	SPECIES	STAGE	AGE	TOTAL P	SNOUT LENGTH	MAX LENGTH	FISH ACT.
	83			EF1 1	C		83	EF1 1	APP				0			
	83			EF1 2	C		83	EF1 2	NFB				0			

A. GEAR SETTINGS

C	SITE NO.	MTD / NO.	N/P	DATE IN	TIME IN	DATE OUT	TIME OUT	OF SEC.	LENGTH	WIDTH	ENCL.	NET TYPE	LENGTH	SHOUL.	NET	NO.
	83	EF1 1		071114	1230	071114	1240	241	170	1.0	0					
	83	EF1 2		071114	1241	071114	1247	187	170	1.0	0					

C. ELECTROFISHER SPECIFICATIONS

SITE NO.	MTD / NO.	N/P	VOLTAGE	PULSE	DUR.	MODE	MODEL
83	EF1 1		80	70	6	SR	12B
83	EF1 2		1000	90	6	SR	12B

SITE CARD

STREAM NAME: Unnamed (local) Gr 1 A

WATERSHED CODE: 4801753800216001

REACH # 1 | ILP # 84 | SITE UTM 1101 PC | ACCESS VN

DATE: 9/19/07 | TIME: 17:30 | AGENCY: C016 | CREW: SR MS | FISH FORM: 1

CHANNEL: 1 | GRADIENT: 0 | FLOOD SIGNS: 0 | BED #1: 0

CHANNEL WIDTH (m): 1.8 0.9 1.7 1.5 1.6 | FLOOD TEMP: 8 °C | COND: µS

WETTED WIDTH (m): 1.6 0.9 1.0 1.5 1.3 | TURB: T M L G

BECK POOL DEPTH (m): 0.4 0.5 0.3 0.4 0.5 | BED MATERIAL: C S F

W/DEPTH: 0.5 0.6 0.5 | STAGE: 0 | No Vils. Ch. In. DW Triba.

COVER

SWD	LWD	B	C	DP	OV	IV	CROWN CLOSURE	DISTURBANCE INDICATORS	D1	B1	B2	B3	D1	D2	D3
T	T	S	S	D	T	T									

MOBIOLOGY

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5

FEATURES

C: NO | PHOTO: NO | COMMENTS: NO

FISH COLLECTION FORM

GAZETTED NAME: Unnamed (local) Gr 1 A

WATERSHED CODE: 4801753800216001

PROJECT ID: 199910714 | REACH # 1 | FISH PERMIT # SR MS

DATE: 9/19/07 | AGENCY: C016 | CREW: SR MS

SITE / METHOD

C	SITE NO.	MAP NO.	W/	DEPTH	STAGE	AGENCY	CREW	DATE	TIME	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	
	84																				

GEAR SETTINGS

C	SITE NO.	W/	DEPTH	N/P	DATE IN	DATE OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	
	84	EE11	1	0.7	14:23	07:14	12:45	14	95	1.4	0										
	84	EE12	2	0.7	14:24	07:14	13:00	103	95	1.4	0										

NET / TRAP SPECIFICATIONS

C	SITE NO.	W/	DEPTH	N/P	VOLTAJE	FREQ.	PULSE	MODE	MODE
	84	EE11	1	800	70	4	SR	RS	
	84	EE12	2	800	70	6	SR	RS	

COMMENTS

Record kind of inv. - Notish above fish below lake d/s!

SITE CARD

STREAM NAME: Unnamed (local) Gr 1 A

WATERSHED CODE: 4801753800216001

REACH # 1 | ILP # 85 | SITE UTM 1101 PC | ACCESS VN

DATE: 9/19/07 | TIME: 17:30 | AGENCY: C016 | CREW: SR MS | FISH FORM: 1

CHANNEL: 1 | GRADIENT: 0 | FLOOD SIGNS: 0 | BED #1: 0

CHANNEL WIDTH (m): 1.8 0.9 1.7 1.5 1.6 | FLOOD TEMP: 8 °C | COND: µS/cm

WETTED WIDTH (m): 1.6 0.9 1.0 1.5 1.3 | TURB: T M L G

BECK POOL DEPTH (m): 0.4 0.5 0.3 0.4 0.5 | BED MATERIAL: C S F

W/DEPTH: 0.5 0.6 0.5 | STAGE: 0 | No Vils. Ch. In. DW Triba.

COVER

SWD	LWD	B	C	DP	OV	IV	CROWN CLOSURE	DISTURBANCE INDICATORS	D1	B1	B2	B3	D1	D2	D3

MOBIOLOGY

C1	C2	C3	C4	C5	S1	S2	S3	S4	S5

FEATURES

C: NO | PHOTO: NO | COMMENTS: NO

FISH COLLECTION FORM

GAZETTED NAME: Unnamed (local) Gr 1 A

WATERSHED CODE: 4801753800216001

PROJECT ID: 199910714 | REACH # 1 | FISH PERMIT # SR MS

DATE: 9/19/07 | AGENCY: C016 | CREW: SR MS

SITE / METHOD

C	SITE NO.	MAP NO.	W/	DEPTH	STAGE	AGENCY	CREW	DATE	TIME	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	
	85																				

GEAR SETTINGS

C	SITE NO.	W/	DEPTH	N/P	DATE IN	DATE OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	
	85																				

NET / TRAP SPECIFICATIONS

C	SITE NO.	W/	DEPTH	N/P	VOLTAJE	FREQ.	PULSE	MODE	MODE
	85								

COMMENTS

NO

SITE CARD

Watershed Code: 480974700
 Project ID: 9990713
 Date: 09/10/13
 Agency: COL
 Crew: SMT

CHANNEL
 Name: 2-86
 MTD: 86
 H/P: 2100
 Stage: L(0)H

WATER
 Temp: 50 °C
 Conductivity: 150 µS/cm
 Turbidity: TML(0)

COVER
 SWD: TTTSDT
 LWD: NDAU
 B: 0
 C: 0
 DP: 0
 DV: 0
 IV: 0

PHOTOGRAPHY
 C1: 0
 C2: 0
 C3: 0
 C4: 0
 C5: 0
 S1: 0
 S2: 0
 S3: 0
 S4: 0
 S5: 0

FEATURES
 R: F
 R: F
 R: F
 R: F

SITE CARD

Watershed Code: 480974700
 Project ID: 9990713
 Date: 09/10/13
 Agency: COL
 Crew: SMT

CHANNEL
 Name: 3-86
 MTD: 86
 H/P: 2100
 Stage: L(0)H

WATER
 Temp: 50 °C
 Conductivity: 150 µS/cm
 Turbidity: TML(0)

COVER
 SWD: TTTSDT
 LWD: NDAU
 B: 0
 C: 0
 DP: 0
 DV: 0
 IV: 0

PHOTOGRAPHY
 C1: 0
 C2: 0
 C3: 0
 C4: 0
 C5: 0
 S1: 0
 S2: 0
 S3: 0
 S4: 0
 S5: 0

FEATURES
 R: F
 R: F
 R: F
 R: F

SITE CARD

Watershed Code: 480974700
 Project ID: 9990713
 Date: 09/10/13
 Agency: COL
 Crew: SMT

CHANNEL
 Name: 2-86.5
 MTD: 86.5
 H/P: 2100
 Stage: L(0)H

WATER
 Temp: 50 °C
 Conductivity: 150 µS/cm
 Turbidity: TML(0)

COVER
 SWD: TTTSDT
 LWD: NDAU
 B: 0
 C: 0
 DP: 0
 DV: 0
 IV: 0

PHOTOGRAPHY
 C1: 0
 C2: 0
 C3: 0
 C4: 0
 C5: 0
 S1: 0
 S2: 0
 S3: 0
 S4: 0
 S5: 0

FEATURES
 R: F
 R: F
 R: F
 R: F

SITE CARD

Watershed Code: 480998000
 Project ID: 9990713
 Date: 09/10/13
 Agency: COL
 Crew: SMT

CHANNEL
 Name: 87
 MTD: 87
 H/P: 2100
 Stage: L(0)H

WATER
 Temp: 50 °C
 Conductivity: 150 µS/cm
 Turbidity: TML(0)

COVER
 SWD: TTTSDT
 LWD: NDAU
 B: 0
 C: 0
 DP: 0
 DV: 0
 IV: 0

PHOTOGRAPHY
 C1: 0
 C2: 0
 C3: 0
 C4: 0
 C5: 0
 S1: 0
 S2: 0
 S3: 0
 S4: 0
 S5: 0

FEATURES
 R: F
 R: F
 R: F
 R: F

FISH COLLECTION FORM

GAZETTED NAME: Unnamed (Local): 6231

WATERSHED CODE: 48099800

WATERBODY ID: 2 ILP MAP # 1 FISH PERMIT # 1

PROJECT ID: 1990713 REACH # 1 AGENCY: CO16 CREW: SR MS

DATE: 1990713 TO 1990713

SITE/METHOD	FISH SUMMARY										
	C	SITE NO.	MTD/NO.	N/P	SPECIES	STAGE	AGE	TOTAL LENGTH	SNOUT-VENT LENGTH	WEIGHT	SEX
		87	EF11	1	RFB A			300	250	0	

A. GEAR SETTINGS

C	SITE NO.	MTD/NO.	N/P	DATE IN	TIME IN	DATE OUT	TIME OUT	SP. INCL.	LENGTH	WIDTH	SHCL.	NET TYPE	LENGTH	DEPTH	SCREEN SIZE	SET	BAUL.
		87	EF11	1	0713	0730	1320	1320	34	300	25	0					

B. NET/TRAP SPECIFICATIONS

C. ELECTROFISHER SPECIFICATIONS

C	SITE NO.	MTD/NO.	N/P	VOLTAGE	FREQ.	PULSE	WAVE	MODE
		87	EF11	1	700	70	6	SR 12B

COMMENTS: no fish observed above cascade - present

GAZETTED NAME: Unnamed (Local): 6231

WATERSHED CODE: 48099800

WATERBODY ID: 2 ILP MAP # 1 FISH PERMIT # 1

PROJECT ID: 1990713 REACH # 1 AGENCY: CO16 CREW: SR MS

DATE: 1990713 TO 1990713

CHANNEL: 1 CHANNEL WIDTH (m): 15.10 PERCENTAGE: AP FLOOD SIGN: 0 REG. #:

UNWEI. WIDTH (m): 15.10 NO. OF BNP: 0 DISTURBANCE INDICATORS: 01 01 01 01 01 01

WATER POOL DEPTH (m): 1.02 STAGE (W/H): 1.02 No. of Ch. (I): 0 Int. (I): 0 MED. MATERIAL: 0 Dominant: 0

W/D DEPTH (m): 1.02 STAGE (W/H): 1.02 DW: 0 Trib. (I): 0 DISTURBANCE INDICATORS: 01 01 01 01 01 01

C. COVER

SWD	LWD	B	C	DP	OV	N	BROWN	CLOSURE	DISTURBANCE	INDICATORS

COVER

SWD	LWD	B	C	DP	OV	N	BROWN	CLOSURE	DISTURBANCE	INDICATORS

FEATURES

C	NID MAP #	NID #	TYPE	HT/LG (m)	PHOTO	COMMENTS	UTM

GAZETTED NAME: Unnamed (Local): 6231

WATERSHED CODE: 48099800

WATERBODY ID: 2 ILP MAP # 1 FISH PERMIT # 1

PROJECT ID: 1990713 REACH # 1 AGENCY: CO16 CREW: SR MS

DATE: 1990713 TO 1990713

CHANNEL: 1 CHANNEL WIDTH (m): 15.10 PERCENTAGE: AP FLOOD SIGN: 0 REG. #:

UNWEI. WIDTH (m): 15.10 NO. OF BNP: 0 DISTURBANCE INDICATORS: 01 01 01 01 01 01

WATER POOL DEPTH (m): 1.02 STAGE (W/H): 1.02 No. of Ch. (I): 0 Int. (I): 0 MED. MATERIAL: 0 Dominant: 0

W/D DEPTH (m): 1.02 STAGE (W/H): 1.02 DW: 0 Trib. (I): 0 DISTURBANCE INDICATORS: 01 01 01 01 01 01

C. COVER

SWD	LWD	B	C	DP	OV	N	BROWN	CLOSURE	DISTURBANCE	INDICATORS

COVER

SWD	LWD	B	C	DP	OV	N	BROWN	CLOSURE	DISTURBANCE	INDICATORS

FEATURES

C	NID MAP #	NID #	TYPE	HT/LG (m)	PHOTO	COMMENTS	UTM

A. GEAR SETTINGS

C	SITE NO.	MTD/NO.	N/P	DATE IN	TIME IN	DATE OUT	TIME OUT	SP. INCL.	LENGTH	WIDTH	SHCL.	NET TYPE	LENGTH	DEPTH	SCREEN SIZE	SET	BAUL.
		88	EF11	1	0713	0730	1420	1420	36	105	09	0					

B. NET/TRAP SPECIFICATIONS

C. ELECTROFISHER SPECIFICATIONS

C	SITE NO.	MTD/NO.	N/P	VOLTAGE	FREQ.	PULSE	WAVE	MODE
		88	EF11	1	700	60	6	SR 12B

COMMENTS: sampled to confirm fish above stage take up No fish in 06 inch long - No fish in 99 - No fish ex

GAZETTED NAME: Unnamed (Local): 6231

WATERSHED CODE: 48099800

WATERBODY ID: 2 ILP MAP # 1 FISH PERMIT # 1

PROJECT ID: 1990713 REACH # 1 AGENCY: CO16 CREW: SR MS

DATE: 1990713 TO 1990713

CHANNEL: 1 CHANNEL WIDTH (m): 15.10 PERCENTAGE: AP FLOOD SIGN: 0 REG. #:

UNWEI. WIDTH (m): 15.10 NO. OF BNP: 0 DISTURBANCE INDICATORS: 01 01 01 01 01 01

WATER POOL DEPTH (m): 1.02 STAGE (W/H): 1.02 No. of Ch. (I): 0 Int. (I): 0 MED. MATERIAL: 0 Dominant: 0

W/D DEPTH (m): 1.02 STAGE (W/H): 1.02 DW: 0 Trib. (I): 0 DISTURBANCE INDICATORS: 01 01 01 01 01 01

C. COVER

SWD	LWD	B	C	DP	OV	N	BROWN	CLOSURE	DISTURBANCE	INDICATORS

COVER

SWD	LWD	B	C	DP	OV	N	BROWN	CLOSURE	DISTURBANCE	INDICATORS

FEATURES

C	NID MAP #	NID #	TYPE	HT/LG (m)	PHOTO	COMMENTS	UTM

A. GEAR SETTINGS

C	SITE NO.	MTD/NO.	N/P	DATE IN	TIME IN	DATE OUT	TIME OUT	SP. INCL.	LENGTH	WIDTH	SHCL.	NET TYPE	LENGTH	DEPTH	SCREEN SIZE	SET	BAUL.
		89	EF11	1	0713	1405	0713	1420	27	200	05	0					

B. NET/TRAP SPECIFICATIONS

C. ELECTROFISHER SPECIFICATIONS

C	SITE NO.	MTD/NO.	N/P	VOLTAGE	FREQ.	PULSE	WAVE	MODE
		89	EF11	1	700	70	6	SR 12B

COMMENTS: Pool fill has no instream cover - ripple v. low flow. C. ~ 1m likely dry at later in season ~ 15% med. vertical flow shorter than instream time of RB eggs

FISH COLLECTION FORM

GRAZED NAME: Unmanned (Local) SBAB2

WATERSHED CODE: 480912900

PROJECT ID: resampling 16 REACH: 2 AGENCY: COIG CREW: CE, MJ

DATE	SITE NO.	MTD / NO.	H/P	SPECIES	STAKE	AGE	TOTAL	NO. MOON	NO. LENGTH	ACT.
93	93	EF1 1		NFL			0			
93	93	EF1 2		NFL			0			

A. GEAR SETTINGS

SITE NO.	MTD / NO.	H/P	DATE IN	TIME IN	DATE OUT	TIME OUT	OF SEC.	LENGTH	DEPTH	NO.	NET TYPE	LENGTH	DEPTH	NO.	NET	NO.	
93	EF1 1						337	250	0.9	0							
93	EF1 2						164	250	0.9	0							

C. ELECTROFISHER SPECIFICATIONS

SITE NO.	MTD / NO.	H/P	VOLTAGE	PULSE	PULSE	MODE	MODE
93	EF1 1		600	60	6	SE	12E
93	EF1 2		600	30	4	LE	12E

COMMENTS: Resampled above falls channel entrance, fast flow. Shallow lakes habitat to support resident population. No flow fish 15%

FISH COLLECTION FORM

GRAZED NAME: (Local) SBAB1

WATERSHED CODE: 480916700

PROJECT ID: resampling 16 REACH: 2 AGENCY: COIG CREW: CE, MJ

DATE	SITE NO.	MTD / NO.	H/P	SPECIES	STAKE	AGE	TOTAL	NO. MOON	NO. LENGTH	ACT.
94	94	EF1 1		NFL			0			
94	94	EF1 2		NFL			0			

A. GEAR SETTINGS

SITE NO.	MTD / NO.	H/P	DATE IN	TIME IN	DATE OUT	TIME OUT	OF SEC.	LENGTH	DEPTH	NO.	NET TYPE	LENGTH	DEPTH	NO.	NET	NO.	
94	EF1 1						133	200	1.5	0							
94	EF1 2						137	200	1.5	0							

C. ELECTROFISHER SPECIFICATIONS

SITE NO.	MTD / NO.	H/P	VOLTAGE	PULSE	PULSE	MODE	MODE
94	EF1 1		600	60	6	SK	12B
94	EF1 2		600	30	8	SK	12B

COMMENTS: Sampled above cascade most fish present. 17%

Stream 95

WATERSHED CODE: 1101210 REACH: 2 AGENCY: COIG CREW: MJ, MJ

CHANNEL: mid mid mid mid

TEMP: 20.0 °C

STAGE: L M H No Vis. Ch. Dry/Int. DW Trib.

COVER

Type	SWD	LWD	B	U	DP	OV	IV	10%	25%	40%	75%	90%
AMT												
LOC												

COVER: NFA DCE UVS FGC BRA NGSCDMW INIT SHR PS YF MF NA

FEATURES: R F

Unmanned Stream E of Stream 99

WATERSHED CODE: 1101210 REACH: 2 AGENCY: COIG CREW: MJ, MJ

CHANNEL: mid mid mid mid

TEMP: 26.0 °C

STAGE: L M H No Vis. Ch. Dry/Int. DW Trib.

COVER

Type	SWD	LWD	B	U	DP	OV	IV	10%	25%	40%	75%	90%
AMT												
LOC												

COVER: NFA DCE UVS FGC BRA NGSCDMW INIT SHR PS YF MF NA

FEATURES: R F

SITE CARD

STREAM NAME: Unnamed (local)

WATERSHED CODE: 480920600

ILP MAP # 43701 NID MAP # 120

REACH # 97 SITE # 97 AGENCY: CO16 CREW: SR AJ FISH PERMIT # B

DATE: 19990711 TIME: 0900

CHANNEL: 1.0 0.8 0.9 1.1 GRADIENT: 7.6 FLOOD SIGNS: 7

CHANNEL WIDTH (m): 0.7 1.0 0.8 0.9 1.1 TEMP: 17.6 COND: 111.0

WETTED WIDTH (m): 7.6 PH: 7 TURB: 111.0

DEPTHS: 111.0 STAGE: DM H No Via. Ch. Int. DW Trib.

COVER: C COVER: N % CROWN CLOSURE: 0 1 2 3 4 5 DISTURBANCE INDICATORS: 01 B1 B2 B3 D1 D2 D3

INSTREAM VEG: N A M V PATTERN: TM ME IM IR ST

ISLANDS: N O I F S AN COUPLING: DC PC

CONFINEMENT: EN CO OC UN N/A

SITE CARD

STREAM NAME: Unnamed (local): FISHERS C.

WATERSHED CODE: 480920600

ILP MAP # 43701 NID MAP # 120

REACH # 98 SITE # 98 AGENCY: CO16 CREW: SR AJ FISH PERMIT # N

DATE: 19990711 TIME: 1200

CHANNEL: 2.3 2.4 1.9 GRADIENT: 4.5 FLOOD SIGNS: 8

CHANNEL WIDTH (m): 2.3 2.4 1.9 TEMP: 10 COND: 54.5

WETTED WIDTH (m): 4.5 PH: 8 TURB: 54.5

DEPTHS: 0.3 0.3 0.3 STAGE: DM H No Via. Ch. Int. DW Trib.

COVER: C COVER: N % CROWN CLOSURE: 0 1 2 3 4 5 DISTURBANCE INDICATORS: 01 B1 B2 B3 D1 D2 D3

INSTREAM VEG: N A M V PATTERN: TM ME IM IR ST

ISLANDS: N O I F S AN COUPLING: DC CO

CONFINEMENT: EN CO OC UN N/A

GAZETTED NAME: Unnamed (local): FISHERS C.

WATERSHED CODE: 480920600

WATERBODY ID: 11 ILP MAP # 11

PROJECT ID: resampling 97 REACH # 97 FISH PERMIT # 11

DATE: 19990711 AGENCY: CO16 CREW: SR AJ

SITE/METHOD	SITE SUMMARY				FISH SUMMARY												
	C	SITE NO.	MAP NO.	NID MAP #	MTD/NO.	STREAM CONDITION	C	SITE NO.	MTD/NO.	N/P	SPECIES	STAGE	AGE	TOTAL #	MIN. LENGTH	MAX. LENGTH	FISH ACT.
↓	98				MT1		98	MT1			NFC						
					12			MT2									
					13			MT3									
					14			MT4									
					ET1			ET1									

A. GEAR SETTINGS

C	SITE NO.	MTD/NO.	N/P	DATE IN	TIME IN	DATE OUT	TIME OUT	SP. NO.	LENGTH	WIDTH	ENCL.	NET TYPE	DEPTH	NO. OF	NO. OF	NO. OF
98	MT1			07110	12:00	07112	15:15									
12					12:04	07112	15:15									
13					12:06	07112	15:15									
14					12:06	07112	15:15									
ET1					12:06	07112	15:15		150	1.4	0					

C. ELECTROFISHER SPECIFICATIONS

C	SITE NO.	MTD/NO.	N/P	VOLTAJE	WAVE	NO. OF	NO. OF	NO. OF	NO. OF	NO. OF
98	ET1			60	6	SR	12B			

COMMENTS: sampled A
confirm absence
above falls
(97 tr.)

GAZETTED NAME: Unnamed (local): Resampled reach from 98 gnat

WATERSHED CODE: 480920600

WATERBODY ID: 11 ILP MAP # 11

PROJECT ID: resampling 98 REACH # 98 FISH PERMIT # 11

DATE: 19990711 AGENCY: CO16 CREW: SR AJ

SITE/METHOD	SITE SUMMARY				FISH SUMMARY												
	C	SITE NO.	MAP NO.	NID MAP #	MTD/NO.	STREAM CONDITION	C	SITE NO.	MTD/NO.	N/P	SPECIES	STAGE	AGE	TOTAL #	MIN. LENGTH	MAX. LENGTH	FISH ACT.
↓	99				ET1		99	ET1			RB	J		3	70	100	R

A. GEAR SETTINGS

C	SITE NO.	MTD/NO.	N/P	DATE IN	TIME IN	DATE OUT	TIME OUT	SP. NO.	LENGTH	WIDTH	ENCL.	NET TYPE	DEPTH	NO. OF	NO. OF	NO. OF
99	ET1							46	60	3.0	0					

C. ELECTROFISHER SPECIFICATIONS

C	SITE NO.	MTD/NO.	N/P	VOLTAJE	WAVE	NO. OF	NO. OF	NO. OF	NO. OF
99	ET1			60	70	6	SR	RB	

COMMENTS: collected RB (60)
site located below 50' head/mouth
of # 27500
2%
2/6
531

SITE CARD

STREAM NAME: [Blank] (local)

WATERSHED CODE: 48092770000370014800

REACH: 54 - SITE: 100 - AGENCY: C06 - CREW: SR MS - FISH PERMIT: FT

DATE: 9/9/07 TIME: 10:50

CHANNEL	width	depth	gradient	flood signs	req. #
channel width	1.0	0.5	AL		
wetter width	1.0	0.5	95.1%	temp	cond.
bed pool depth	0.5	0.5		pH	turb.
depth	0.5	0.5			

COVER	SWD	LWD	B	C	DP	OV	IV	CROWN CLOSURE	100%	21-70%	71-90%	91-99%	100%
	N	F	A	U				0	1	2	3	4	5
stream veg	C E				stream veg				N A M V				
litter	U V S O				litter				U V S O				
texture	F G C B R A				texture				F G C B R A				
rip veg	N G S C D M W				rip veg				N G S C D M W				
stage	INIT SHR PS YF MF				stage				INIT SHR PS YF MF				

Bed Material: Dominant [Blank] Subdominant [Blank]

Disturbance Indicators: D1 B1 B2 B3 D1 D2 D3

Pattern: TM ME IM IR SI ST

Islands: N O I F S AN

Bars: N D P M T L

Coupling: DC PC CO

Confinement: EN CO FC OC UN N/A

Photo: [Blank] Comments: [Blank]

SITE CARD

STREAM NAME: [Blank] (local)

WATERSHED CODE: 48092771000370027600

REACH: 99 - SITE: 101 - AGENCY: C06 - CREW: SR MS - FISH PERMIT: FT

DATE: 9/9/07 TIME: 11:00

CHANNEL	width	depth	gradient	flood signs	req. #
channel width	2.1	1.4	AL		
wetter width	2.1	1.4	33	temp	cond.
bed pool depth	0.3	0.3	45	pH	turb.
depth	0.3	0.3			

COVER	SWD	LWD	B	C	DP	OV	IV	CROWN CLOSURE	100%	21-70%	71-90%	91-99%	100%
	S	T	N	S	D	T	N	0	1	2	3	4	5
stream veg	C E				stream veg				A M V				
litter	U V S O				litter				U V S O				
texture	F G C B R A				texture				F G C B R A				
rip veg	N G S C D M W				rip veg				N G S C D M W				
stage	INIT SHR PS YF MF				stage				INIT SHR PS YF MF				

Bed Material: Dominant [Blank] Subdominant [Blank]

Disturbance Indicators: D1 B1 B2 B3 D1 D2 D3

Pattern: TM ME IM IR SI ST

Islands: N O I F S AN

Bars: N D P M T L

Coupling: DC PC CO

Confinement: EN CO FC OC UN N/A

Photo: [Blank] Comments: [Blank]

SITE CARD

GAZETTED NAME: [Blank] (local)

WATERSHED CODE: 48092771000370027600

WATERBODY ID: [Blank]

PROJECT ID: [Blank] REACH # [Blank] FISH PERMIT # [Blank]

DATE: 9/9/07 TIME: 11:00 AGENCY: C06 CREW: SR MS

C	SITE NO.	NET/NO.	H/P	SPECIES	STAGE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE
	101	SR 11	95	NFC									

A. GEAR SETTINGS

C	SIDE NO.	NET/NO.	H/P	DATE IN	TIME IN	DATE OUT	TIME OUT	W. NO.	W. NO.	W. NO.	W. NO.	W. NO.	W. NO.
	101	SR 11	95					755	10	11	0		

B. NET/TRAP SPECIFICATIONS

C. ELECTROFISHER SPECIFICATIONS

C	SITE NO.	NET/NO.	H/P	VOLTAZ	FREQ.	PULSE	MODE	MODEL
	101	SR 11	95	600	70	6	SR	00

Comments: - see sampling conditions

SITE CARD

STREAM NAME: [Blank] (local)

WATERSHED CODE: 48092771000370027600

REACH: 7 - SITE: 102 - AGENCY: C06 - CREW: SR MS - FISH PERMIT: FT

DATE: 9/9/07 TIME: 12:05

CHANNEL	width	depth	gradient	flood signs	req. #
channel width	1.7	1.8	AL		
wetter width	1.7	1.8	95.1%	temp	cond.
bed pool depth	0.3	0.3		pH	turb.
depth	0.3	0.3			

COVER	SWD	LWD	B	C	DP	OV	IV	CROWN CLOSURE	100%	21-70%	71-90%	91-99%	100%
	T	T	N	N	D	S	S	0	1	2	3	4	5
stream veg	C E				stream veg				N O O O				
litter	U V S O				litter				U V S O				
texture	F G C B R A				texture				F G C B R A				
rip veg	N G S C D M W				rip veg				N G S C D M W				
stage	INIT SHR PS YF MF				stage				INIT SHR PS YF MF				

Bed Material: Dominant [Blank] Subdominant [Blank]

Disturbance Indicators: D1 B1 B2 B3 D1 D2 D3

Pattern: TM ME IM IR SI ST

Islands: N O I F S AN

Bars: N D P M T L

Coupling: DC PC CO

Confinement: EN CO FC OC UN N/A

Photo: [Blank] Comments: [Blank]

FISH COLLECTION FORM

BARETTED NAME: (local)
 WATERSHED CODE: 4609277000370027500
 WATERBODY ID: VZ
 PROJECT ID: A REACH: 2 AGENCY: FISH PERMIT #:
 DATE: 9/9/07 TIME: 11:15 AGENCY: COLB CREW: SR MS
 C SITE NO: 102 MTD/NO: 102 N/P: 1 SPECIES: NFO
 A. GEAR SETTINGS: B. NET/TRAP SPECIFICATIONS
 C. ELECTROFISHER SPECIFICATIONS

COMMENTS: - some fish held but possible if habitat available in next reach

SITE CARD

STREAM NAME: (local)
 WATERSHED CODE: 4609277000370027500
 REACH: 3 - SITE: 103 SITE UTM: AGENCY: COLB CREW: SR MS
 CHANNEL: CHANNEL WIDTH (m): 1.5 0.9 1.1 1.4 1.7 0.8 1.3
 CHANNEL DEPTH (m): 0.1 0.1 0.2 0.1 0.2
 CHANNEL VELOCITY (m/s): 0.1 0.1 0.2 0.1 0.2
 CHANNEL VELOCITY (ft/s): 0.3 0.3 0.7 0.3 0.7
 CHANNEL VELOCITY (mph): 0.6 0.6 1.3 0.6 1.3
 CHANNEL VELOCITY (kph): 0.9 0.9 2.0 0.9 2.0
 CHANNEL VELOCITY (mi/hr): 0.6 0.6 1.3 0.6 1.3
 CHANNEL VELOCITY (km/hr): 0.9 0.9 2.0 0.9 2.0
 CHANNEL VELOCITY (m/s): 0.1 0.1 0.2 0.1 0.2
 CHANNEL VELOCITY (ft/s): 0.3 0.3 0.7 0.3 0.7
 CHANNEL VELOCITY (mph): 0.6 0.6 1.3 0.6 1.3
 CHANNEL VELOCITY (kph): 0.9 0.9 2.0 0.9 2.0
 CHANNEL VELOCITY (mi/hr): 0.6 0.6 1.3 0.6 1.3
 CHANNEL VELOCITY (km/hr): 0.9 0.9 2.0 0.9 2.0

FISH COLLECTION FORM

BARETTED NAME: (local)
 WATERSHED CODE: 4609277000370027500
 WATERBODY ID: VZ
 PROJECT ID: A REACH: 3 AGENCY: COLB CREW: SR MS
 DATE: 9/9/07 TIME: 11:15 AGENCY: COLB CREW: SR MS
 C SITE NO: 103 MTD/NO: 103 N/P: 1 SPECIES: NFO
 A. GEAR SETTINGS: B. NET/TRAP SPECIFICATIONS
 C. ELECTROFISHER SPECIFICATIONS

COMMENTS: - new world for this fish period - day rest of year. No spawning (spring) seen during use

SITE CARD

STREAM NAME: (local)
 WATERSHED CODE: 4609277000370036200
 REACH: - SITE: 104 SITE UTM: AGENCY: COLB CREW: SR MS
 CHANNEL: CHANNEL WIDTH (m): 0.9 0.6 0.6 0.3 0.5
 CHANNEL DEPTH (m): 0.1 0.1 0.2 0.1 0.2
 CHANNEL VELOCITY (m/s): 0.1 0.1 0.2 0.1 0.2
 CHANNEL VELOCITY (ft/s): 0.3 0.3 0.7 0.3 0.7
 CHANNEL VELOCITY (mph): 0.6 0.6 1.3 0.6 1.3
 CHANNEL VELOCITY (kph): 0.9 0.9 2.0 0.9 2.0
 CHANNEL VELOCITY (mi/hr): 0.6 0.6 1.3 0.6 1.3
 CHANNEL VELOCITY (km/hr): 0.9 0.9 2.0 0.9 2.0

FISH COLLECTION FORM

GAZETTED NAME: _____ (local): _____
 WATERSHED CODE: 460927700037003620
 WATERBODY ID: _____ R.P. MAP # _____ R.P. # _____
 PROJECT ID: _____ REACH # _____ FISH PERMIT # _____
 DATE: 9/9/07 11:15 A.M. AGENCY: Colb CREW: CR, MTI

SITE/METHOD	C		D	
	SITE NO.	MTD/NO.	MTD/NO.	N/P
	104	SE-1	104	SE-1

FISH SUMMARY

DATE	TIME IN	TIME OUT	NO. SPEC.	NO. SPEC.
9/9/07	11:15	12:05	0	0

A. GEAR SETTINGS

C	DATE IN	TIME IN	DATE OUT	TIME OUT	NO. SPEC.	NO. SPEC.
104	9/9/07	11:15	12:05	12:05	0	0

B. NET/TRAP SPECIFICATIONS

C	DATE IN	TIME IN	DATE OUT	TIME OUT	NO. SPEC.	NO. SPEC.
104	9/9/07	11:15	12:05	12:05	0	0

COMMENTS: - no fish see in hole

C. ELECTROFISHER SPECIFICATIONS

C	DATE IN	TIME IN	DATE OUT	TIME OUT	VOLTAJE	PULS.	MODE	MODE
104	9/9/07	11:15	12:05	12:05	70	70	6	SR RB

FISH COLLECTION FORM

GAZETTED NAME: _____ (local): _____
 WATERSHED CODE: 44009
 WATERBODY ID: 1450
 PROJECT ID: 1450 REACH # 2 AGENCY: Colb CREW: SE, SR

CHANNEL

VELOCITY: 0.2
 CHANNEL: 1, 2
 CHANNEL: 0.5
 CHANNEL: 2, 0.1, 1.5

COVER

SWD	LWD	B	U	OP	OV	IV

MOORPHOLOGY

AMT	LOC	0	1	2	3	4	5

FEATURES

R-1 F-12
 R- F
 R- F
 R- F

FISH COLLECTION FORM

GAZETTED NAME: 1909 Reservoir (local): _____
 WATERSHED CODE: 44009
 WATERBODY ID: 1450
 PROJECT ID: 1450 REACH # 2 AGENCY: Colb CREW: SE, SR

CHANNEL

VELOCITY: 0.2
 CHANNEL: 1, 2
 CHANNEL: 0.5
 CHANNEL: 2, 0.1, 1.5

COVER

SWD	LWD	B	U	OP	OV	IV

MOORPHOLOGY

AMT	LOC	0	1	2	3	4	5

FEATURES

R-1 F-12
 R- F
 R- F
 R- F

FISH COLLECTION FORM

GAZETTED NAME: 4 Mile Cr. (local): _____
 WATERSHED CODE: 48219640001
 WATERBODY ID: _____ R.P. MAP # _____ R.P. # _____
 PROJECT ID: _____ REACH # 4 AGENCY: Colb CREW: HS, SE

CHANNEL

VELOCITY: 0.2
 CHANNEL: 1, 2, 3, 4
 CHANNEL: 0.5
 CHANNEL: 2, 0.1, 1.5

COVER

SWD	LWD	B	U	OP	OV	IV

MOORPHOLOGY

AMT	LOC	0	1	2	3	4	5

FEATURES

R-1 F-12
 R- F
 R- F
 R- F

COMMENTS: M1 = d/s bridge
 M2 = d/s 30m
 M3 = d/s 10m
 M4 = d/s 150m

A. GEAR SETTINGS

C	DATE IN	TIME IN	DATE OUT	TIME OUT	NO. SPEC.	NO. SPEC.
107	9/9/07	12:00	12:12	12:12	0	0
107	9/9/07	12:12	12:12	12:12	0	0
107	9/9/07	12:12	12:12	12:12	0	0
107	9/9/07	12:12	12:12	12:12	0	0

B. NET/TRAP SPECIFICATIONS

C	DATE IN	TIME IN	DATE OUT	TIME OUT	NO. SPEC.	NO. SPEC.
107	9/9/07	12:00	12:12	12:12	0	0
107	9/9/07	12:12	12:12	12:12	0	0
107	9/9/07	12:12	12:12	12:12	0	0
107	9/9/07	12:12	12:12	12:12	0	0

C. ELECTROFISHER SPECIFICATIONS

C	DATE IN	TIME IN	DATE OUT	TIME OUT	VOLTAJE	PULS.	MODE	MODE
107	9/9/07	12:00	12:12	12:12	70	70	6	SR RB

FISH COLLECTION FORM

WATER BODY: Unnamed LAKE STREAM WETLAND

WATERSHED CODE: 480927700179010

REACH: Reservoir AGENCY: CO16 CREW: SRV

DATE: 10/17/11 TIME: 13:00 SITE NO.: 106 H/P: 130

SITE / METHOD	MID		SPECIES	STAGE	AM	TOTAL #	SPEC. LENGTH	MAX. LENGTH	WEIGHT	SEX	AGE
	NO.	NO.									
106			EF-1								

FISH SUMMARY

106	EF-1										
-----	------	--	--	--	--	--	--	--	--	--	--

WATER BODY: Unnamed LAKE STREAM WETLAND

WATERSHED CODE: 480927700179010

REACH: Reservoir AGENCY: CO16 CREW: SRV

DATE: 10/17/11 TIME: 14:00 SITE NO.: 109 H/P: 140

SITE / METHOD	MID		SPECIES	STAGE	AM	TOTAL #	SPEC. LENGTH	MAX. LENGTH	WEIGHT	SEX	AGE
	NO.	NO.									
109			EF-1								

FISH SUMMARY

109	EF-1										
-----	------	--	--	--	--	--	--	--	--	--	--

WATER BODY: Unnamed LAKE STREAM WETLAND

WATERSHED CODE: 480927700179010

REACH: Reservoir AGENCY: CO16 CREW: SRV

DATE: 10/17/11 TIME: 15:00 SITE NO.: 110 H/P: 150

CHANNEL: 1502020203 GRADIENT: 17.5 FLOOD SIGNS: 7.5°C

CHANNEL WIDTH: 0.1 WETTED WIDTH: 0.1 MAX. POOL DEPTH: 0.03

COVER

SWD	LWD	B	C	DP	OV	N

FEATURES

C	NO.	TYPE	ENTRANCE	PHOTO	COMMENTS

WATER BODY: Unnamed LAKE STREAM WETLAND

WATERSHED CODE: 480927700179010

REACH: Reservoir AGENCY: CO16 CREW: SRV

DATE: 10/17/11 TIME: 17:15 SITE NO.: 110 H/P: 150

PROJECT ID: 92K033 FISH PERMIT #: 3380

SITE / METHOD	MID		SPECIES	STAGE	AM	TOTAL #	SPEC. LENGTH	MAX. LENGTH	WEIGHT	SEX	AGE
	NO.	NO.									
110			EF-1								

FISH SUMMARY

110	EF-1										
-----	------	--	--	--	--	--	--	--	--	--	--

A. GEAR SETTINGS

C	NO.	DATE IN	DATE OUT	TIME IN	TIME OUT	BY	LENGTH	WIDTH	ENCL.	NET TYPE	LENGTH	DEPTH	BEAM	NET	NO.

B. NET / TRAP SPECIFICATIONS

110	EF-1														
-----	------	--	--	--	--	--	--	--	--	--	--	--	--	--	--

C. ELECTROFISHER SPECIFICATIONS

SITE NO.	MTD / NO.	H/P	VOLUME	PULSE ST	PULSE ST	MODE	MODE
110	EF-1		700	70	6	SL	DB

COMMENTS: with do sample

STREAM NAME		Unnamed		LAKE <input type="checkbox"/> STREAM <input type="checkbox"/> WETLAND <input type="checkbox"/>	
WATERSHIP CODE		430A127700289A			
REACH		33008		SITE MAP ATTACHED <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>	
DATE		199810730		AGENCY	
TIME		11:11		CREW	
SITES		112		SITE LGT	
SITEMAP		33008		ACCESS	
FISH PERMIT		MS, MS		BE-SAMPLE <input type="checkbox"/>	
SITE METHOD	111				
	Dry channel				
FISH SUMMARY	NFP				
	DRY				

STREAM NAME		Unnamed		LAKE <input type="checkbox"/> STREAM <input type="checkbox"/> WETLAND <input type="checkbox"/>	
WATERSHIP CODE		430A127700289A			
REACH		33008		SITE MAP ATTACHED <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>	
DATE		199810711		AGENCY	
TIME		15:15		CREW	
SITES		113		SITE LGT	
SITEMAP		33008		ACCESS	
FISH PERMIT		MS		BE-SAMPLE <input type="checkbox"/>	
CHANNEL	Channel Width (m)				
	6.07				
COVER	SWD LWD B C DP OV IV				
	N F A U				
FEATURES	DISTANCE				
	C E				
FLOOD SIGNS	TEMP				
	7 °C				
BED MATERIAL	DOMINANT				
	F				
DISTURBANCE INDICATORS	O1 B1 B2 B3 D1 D2 D3				
	C1 C2 C3 C4 C5 S1 S2 S3 S4 S5				
PATTERN	TM ME IM IR SI ST				
	N O I F S AN				
ISLANDS	N D P M T L				
	DC PC CD				
CONFINEMENT	EN CD FC DC UN N/A				
	R_F				

STREAM NAME		Unnamed		LAKE <input type="checkbox"/> STREAM <input type="checkbox"/> WETLAND <input type="checkbox"/>	
WATERSHIP CODE		430A127700289A			
REACH		33008		SITE MAP ATTACHED <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>	
DATE		199810711		AGENCY	
TIME		15:10		CREW	
SITES		113		SITE LGT	
SITEMAP		33008		ACCESS	
FISH PERMIT		MS		BE-SAMPLE <input type="checkbox"/>	
CHANNEL	Channel Width (m)				
	6.07				
COVER	SWD LWD B C DP OV IV				
	N F A U				
FEATURES	DISTANCE				
	C E				
FLOOD SIGNS	TEMP				
	7 °C				
BED MATERIAL	DOMINANT				
	F				
DISTURBANCE INDICATORS	O1 B1 B2 B3 D1 D2 D3				
	C1 C2 C3 C4 C5 S1 S2 S3 S4 S5				
PATTERN	TM ME IM IR SI ST				
	N O I F S AN				
ISLANDS	N D P M T L				
	DC PC CD				
CONFINEMENT	EN CD FC DC UN N/A				
	R_F				

STREAM NAME		Unnamed		LAKE <input type="checkbox"/> STREAM <input type="checkbox"/> WETLAND <input type="checkbox"/>	
WATERSHIP CODE		430A127700289A			
REACH		33008		SITE MAP ATTACHED <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>	
DATE		199810711		AGENCY	
TIME		14:40		CREW	
SITES		114		SITE LGT	
SITEMAP		33008		ACCESS	
FISH PERMIT		MS		BE-SAMPLE <input type="checkbox"/>	
CHANNEL	Channel Width (m)				
	6.07				
COVER	SWD LWD B C DP OV IV				
	N F A U				
FEATURES	DISTANCE				
	C E				
FLOOD SIGNS	TEMP				
	7 °C				
BED MATERIAL	DOMINANT				
	F				
DISTURBANCE INDICATORS	O1 B1 B2 B3 D1 D2 D3				
	C1 C2 C3 C4 C5 S1 S2 S3 S4 S5				
PATTERN	TM ME IM IR SI ST				
	N O I F S AN				
ISLANDS	N D P M T L				
	DC PC CD				
CONFINEMENT	EN CD FC DC UN N/A				
	R_F				

FISH COLLECTION FORM

GAZETTED NAME: Ummed (local)

WATERSHED CODE: 42092770030668

WATERBODY ID: 93K033 I/P # 3301

PROJECT ID: 19A910711 REACH # 1 FISH PERMIT # 1016

DATE: 19A910711 AGENCY: CO16 CREW: SR 10

SITE NO.: 114 MTD/NO.: En1 H/P: 1 SPECIES: 114 En1 1 NR

SITE/METHOD

GEAR SETTINGS

NET/TRAP SPECIFICATIONS

ELECTROFISHER SPECIFICATIONS

COMMENTS: - limited plots to sample

STREAM NAME: Ummed (local)

WATERSHED CODE: 42092770030668

WATERBODY ID: 93K033 I/P # 3301

PROJECT ID: 19A910711 REACH # 1 FISH PERMIT # 1016

DATE: 19A910711 TIME: 14110 AGENCY: CO16 CREW: HJ MJ

SITE NO.: 115 **SITE UTM:** 25010E **ACCESS:** V4

CHANNEL **GRADIENT** **FLOOD SIGNS** **REQ. #**

CHANNEL WIDTH (m) **UNWEIGHTED WIDTH (m)** **WEIR POOL DEPTH (m)**

W. DEPTH **STAGE** **L M H** **No. Vls. Ch.** **Int. II** **Dist. I** **Dist. II**

COVER **CROWN CLOSURE** **DISTURBANCE INDICATORS** **SEDIMENT** **DOMINANT** **Subdom.**

COVER **INSTREAM VEG.** **PATTERN** **ISLANDS** **BARS** **COUPLING** **CONFINEMENT**

FEATURES **PHOTO** **COMMENTS** **UTM**

STREAM NAME: Sengalee Creek 971d (local)

WATERSHED CODE: 42092770030668

WATERBODY ID: 93K033 I/P # 3301

PROJECT ID: 19A910711 REACH # 2 FISH PERMIT # 1016

DATE: 19A910711 TIME: 14210 AGENCY: CO16 CREW: SR MS

SITE NO.: 116 **SITE UTM:** 10814E **ACCESS:** V4

CHANNEL **GRADIENT** **FLOOD SIGNS** **REQ. #**

CHANNEL WIDTH (m) **UNWEIGHTED WIDTH (m)** **WEIR POOL DEPTH (m)**

W. DEPTH **STAGE** **L M H** **No. Vls. Ch.** **Int. II** **Dist. I** **Dist. II**

COVER **CROWN CLOSURE** **DISTURBANCE INDICATORS** **SEDIMENT** **DOMINANT** **Subdom.**

COVER **INSTREAM VEG.** **PATTERN** **ISLANDS** **BARS** **COUPLING** **CONFINEMENT**

FEATURES **PHOTO** **COMMENTS** **UTM**

GAZETTED NAME: Ummed (local)

WATERSHED CODE: 42092770031049

WATERBODY ID: 93K033 I/P # 3302

PROJECT ID: 19A910711 REACH # 2 FISH PERMIT # 1016

DATE: 19A910711 AGENCY: CO16 CREW: SR 10

SITE NO.: 116 MTD/NO.: En1 H/P: 1 SPECIES: 116 En1 1 NR

SITE/METHOD

GEAR SETTINGS

NET/TRAP SPECIFICATIONS

ELECTROFISHER SPECIFICATIONS

COMMENTS: - the stream starts + v. little good sampling locations

SYSTEM NAME: 996 Reservoir LMPIN1 LAKE STREAM WETLAND
 AGENCY: COIG MS, MS RE-SAMPLE
 DATE: 19981017 117 SITE/CARD ATTACHED Y/N
 SITE ID: 117 DRY RE-SAMPLE
 COMMENTS:

SYSTEM NAME: LMPIN1 LMPIN1 LAKE STREAM WETLAND
 AGENCY: COIG MS, MS RE-SAMPLE
 DATE: 19981017 118 SITE/CARD ATTACHED Y/N
 SITE ID: 118 430.88 RE-SAMPLE
 COMMENTS:

CHANNEL	WATER	TEMP	WIND	WIND DIR	WIND SPC	WIND DIR	WIND SPC
HC 2.22 1.23 1.18	20°C						
AC 1.1 1.3 1.5 1.0 2.9							
MS 2.2 2.3 2.5 2.4 2.2							
0.6 0.6 0.7 1.1							

NO. VIS. CH.	NO. TRUB.	NO. SW	NO. DW	NO. S1	NO. S2	NO. S3	NO. S4	NO. S5
0	0	0	0	0	0	0	0	0

COVER	ADDITIONAL
Type: SWD LWD B U DP OV IV AMT: N N D N S T N LDC: P P P P P P P	01 B1 B2 B3 D1 D2 D3 C1 C2 C3 C4 C5 S1 S2 S3 S4 S5 TM ME IM IR ST SIDE DIAG MID SPAN BR DC PC UN N/A

SYSTEM NAME: LMPIN1 LMPIN1 LAKE STREAM WETLAND
 AGENCY: COIG MS, MS RE-SAMPLE
 DATE: 19981017 118 SITE/CARD ATTACHED Y/N
 SITE ID: 118 17.0 RE-SAMPLE
 COMMENTS:

118 EF 11 1 NFP							
118 EF 11 2 NFP							

SYSTEM NAME: 10930 10930 LAKE STREAM WETLAND
 AGENCY: COIG MS, MS RE-SAMPLE
 DATE: 19981017 119 SITE/CARD ATTACHED Y/N
 SITE ID: 119 24.01L RE-SAMPLE
 COMMENTS:

119 EF 11 1 NFP							
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SITE CARD

24022

19980730 120 12130 C016 NJ NJ

CHANNEL: HC 12 13081414, HC 02407006, HS03015

TEMP: 8.5 °C

03.04.07

No. Vts. Ch. DW Tribs.

SWD LWD B U DP DV IV

AMT: S T N D T N

LOC: P P P P P P

COVER: N A A C, V S O, G C B R A, N G S D M W

INIT SHR PS YF MF NA

INDICATORS: O1 B1 B2 B3 D1 D2 D3

PATTERN: TM ME IM IR SI ST

ISLANDS: N O I F S AN

BARRELS: D P M T L

COUPLING: DC PC CO

CONFIRMATION: EN CO FC OC UN N/A

COMMENTS: UTM

WATERBODIES: LAKE STREAM WETLAND

WATERSHED CODE: 4809229093400159500

REACH: 1

AGENCY: C016 CREW: NJ NJ

DATE: 19980730

MAP: 120

UTM: 120 EF11

FISH PERMIT: 35007

RE-SAMPLE:

COMMENTS: UTM

STREAM NAME: Unnamed

WATERSHED CODE: 4809229093400159500

PROJECT ID: 120

REACH: 1

DATE: 19980712

AGENCY: C016 CREW: SE NJ

CHANNEL: HC 3 28 27 33 25

SWETTED WIDTH: 12 14

WETTED POOL DEPTH: 18

W. DEPTH: 0.4 0.5 0.5

STAGE: L O H

COVER: S T S P T

INDICATORS: O1 B1 B2 B3 D1 D2 D3

PATTERN: TM ME IM IR SI ST

ISLANDS: N O I F S AN

BARRELS: D P M T L

COUPLING: DC PC CO

CONFIRMATION: EN CO FC OC UN N/A

COMMENTS: UTM

GAZETTED NAME: Unnamed

WATERSHED CODE: 4809229093400159500

PROJECT ID: 120

REACH: 1

DATE: 19980712

AGENCY: C016 CREW: SE NJ

MAP: 120

UTM: 120 EF11

FISH PERMIT: 35007

RE-SAMPLE:

COMMENTS: UTM

A. GEAR SETTINGS

C	SITE NO.	MTD/NO.	N/P	DATE IN	TIME IN	DATE OUT	TIME OUT	SP. SEC.	LENGTH	DEPTH	SHR.	NET TYPE	LENGTH	DEPTH	BEAR	NET	BAR.
	120	EF11	1	0712	1700	0712	1800	714	69	24	0						

B. NET/TRAP SPECIFICATIONS

C. ELECTROFISHER SPECIFICATIONS

C	SITE NO.	MTD/NO.	N/P	VOLTAGE	FREQ.	PULSE	MODE	MODEL
	120	EF11	1	700	70	6	SR	12B

COMMENTS: V. fast flow with some step pools with some potential for SD presence

WATER QUALITY COLLECTION FORM

DATE: 10/27/1977

WATER BODY: 2-000

WATER TYPE: LAKE STREAM WETLAND

PROJECT: 109-1071-2

AGENCY: CALG

DATE: 10/27/77

RE-SAMPLE:

SITE/METHOD: 122

FISH SUMMARY: 122

WATER QUALITY COLLECTION FORM

DATE: 10/27/1977

WATER BODY: 2-000

WATER TYPE: LAKE STREAM WETLAND

PROJECT: 109-1071-2

AGENCY: CALG

DATE: 10/27/77

RE-SAMPLE:

SITE/METHOD: 123

FISH SUMMARY: 123

WATER QUALITY COLLECTION FORM

DATE: 10/27/1977

WATER BODY: 2-000

WATER TYPE: LAKE STREAM WETLAND

PROJECT: 109-1071-2

AGENCY: CALG

DATE: 10/27/77

RE-SAMPLE:

SITE/METHOD: 124

FISH SUMMARY: 124

WATER QUALITY COLLECTION FORM

DATE: 10/27/1977

WATER BODY: 3-500

WATER TYPE: LAKE STREAM WETLAND

PROJECT: 109-1071-2

AGENCY: CALG

DATE: 10/27/77

RE-SAMPLE:

SITE/METHOD: 125

FISH SUMMARY: 125

CHANNEL: MS 1.0 1.6 1.5 1.5

GRADIENT: 21.25

TEMP: 11 °C

WIND: 12

WAVES: 50

WATER: 12

COVER: N A C C

VEGETATION: U V O

ROCK: P G B R A

SEDIMENT: N G S O D M W

INIT SHR PS YF MF NA

WATER QUALITY COLLECTION FORM

DATE: 10/27/1977

WATER BODY: 3-500

WATER TYPE: LAKE STREAM WETLAND

PROJECT: 109-1071-2

AGENCY: CALG

DATE: 10/27/77

RE-SAMPLE:

SITE/METHOD: 125

FISH SUMMARY: 125

CHANNEL: MS 1.0 1.6 1.5 1.5

GRADIENT: 21.25

TEMP: 11 °C

WIND: 12

WAVES: 50

WATER: 12

COVER: N A C C

VEGETATION: U V O

ROCK: P G B R A

SEDIMENT: N G S O D M W

INIT SHR PS YF MF NA

FISH COLLECTION FORM

□ LAKE □ STREAM □ WETLAND

DATE: 12/11/00

REACH: 3507

SITE/AKE CARD ATTACHED: YES NO

FISH PERMIT: 5R 5B

□ RE-SAMPLE

SITE/METHOD: 125

AGENCY: NWP

DATE/TIME: 11/1

WATER TEMPERATURE: 11.5 °C

DEPTH: 0

WIND: 0

WAVE: 0

MOON: 0

STAR: 0

COMMENTS:

FISH SUMMARY:

125	SE 11	NWP	0
125	SE 11 2	NWP	0

FISH COLLECTION FORM

□ LAKE □ STREAM □ WETLAND

DATE: 12/11/00

REACH: 3506

SITE/AKE CARD ATTACHED: YES NO

FISH PERMIT: CR 58

□ RE-SAMPLE

SITE/METHOD: 126

AGENCY: COLN

DATE/TIME: 11/2

WATER TEMPERATURE: 11.5 °C

DEPTH: 0

WIND: 0

WAVE: 0

MOON: 0

STAR: 0

COMMENTS:

FISH SUMMARY:

126	SE 11 2	COLN	0
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FISH COLLECTION FORM

□ LAKE □ STREAM □ WETLAND

DATE: 12/11/00

REACH: 3508

SITE/AKE CARD ATTACHED: YES NO

FISH PERMIT: CR 58

□ RE-SAMPLE

SITE/METHOD: 126

AGENCY: COLN

DATE/TIME: 11/2

WATER TEMPERATURE: 11.5 °C

DEPTH: 0

WIND: 0

WAVE: 0

MOON: 0

STAR: 0

COMMENTS:

FISH SUMMARY:

126	SE 11 2	COLN	0
-----	---------	------	---

FISH COLLECTION FORM

□ LAKE □ STREAM □ WETLAND

DATE: 12/11/00

REACH: 3508

SITE/AKE CARD ATTACHED: YES NO

FISH PERMIT: CR 58

□ RE-SAMPLE

SITE/METHOD: 127

AGENCY: COLN

DATE/TIME: 11/1

WATER TEMPERATURE: 11.5 °C

DEPTH: 0

WIND: 0

WAVE: 0

MOON: 0

STAR: 0

COMMENTS:

FISH SUMMARY:

127	SE 11	NWP	0
-----	-------	-----	---

FISH COLLECTION FORM

Records 1997 reach

LAKE STREAM WETLAND

NO. 3504 SITE/AREA/ATTACHED V Q N

SEARCH 4

1997/01/12/130 T T T T AGENCY COLL. CREW CRF. RE-SAMPLE

SITE / METHOD

128

FISH SUMMARY

128 1124 0

LAKE STREAM WETLAND

NO. 3504 SITE/AREA/ATTACHED V Q N 067

SEARCH 3

1997/01/12/130 T T T T AGENCY COLL. CREW CRF. RE-SAMPLE

SITE / METHOD

129

FISH SUMMARY

129 20 20 5 3 4 84 130 R

LAKE STREAM WETLAND

NO. 3504 SITE/AREA/ATTACHED V Q N

SEARCH 4

1997/01/12/130 T T T T AGENCY COLL. CREW CRF. RE-SAMPLE

SITE / METHOD

130

FISH SUMMARY

130 1108 108

LAKE STREAM WETLAND

NO. 3504 SITE/AREA/ATTACHED V Q N

SEARCH 4

1997/01/12/130 T T T T AGENCY COLL. CREW CRF. RE-SAMPLE

SITE / METHOD

130

FISH SUMMARY

130 1108 108

FISH COLLECTION FORM

LAKE STREAM WETLAND

PROJECT NAME: Reservoir from MS DATE: 3-07-79 SITE/LAKE POND ATTACHED: Y N

AGENCY: Col CREW: SR, SB RE-SAMPLE:

DATE: 1-29-1979 TIME: 11.0 COMMENTS:

SITE/METHOD

131 CE 11 1 NFP 0

FISH SUMMARY

131	CE 11	1	NFP	0
131	CE 11	2	NFP	0

FISH COLLECTION FORM

LAKE STREAM WETLAND

PROJECT NAME: Reservoir from MS DATE: 3-07-79 SITE/LAKE POND ATTACHED: Y N

AGENCY: Col CREW: SR, SB RE-SAMPLE:

DATE: 1-29-1979 TIME: 11.0 COMMENTS:

SITE/METHOD

132 CE 11 1 NFP 0

FISH SUMMARY

132	CE 11	1	NFP	0
132	CE 11	2	NFP	0

FISH COLLECTION FORM

LAKE STREAM WETLAND

PROJECT NAME: Reservoir from MS DATE: 3-07-79 SITE/LAKE POND ATTACHED: Y N

AGENCY: Col CREW: SR, SB RE-SAMPLE:

DATE: 1-29-1979 TIME: 11.0 COMMENTS:

SITE/METHOD

132 CE 11 1 NFP 0

FISH SUMMARY

132	CE 11	1	NFP	0
132	CE 11	2	NFP	0

FISH COLLECTION FORM

LAKE STREAM WETLAND

PROJECT NAME: Reservoir from MS DATE: 3-07-79 SITE/LAKE POND ATTACHED: Y N

AGENCY: Col CREW: SR, SB RE-SAMPLE:

DATE: 1-29-1979 TIME: 11.5 COMMENTS:

SITE/METHOD

134 CE 11 1 NFP 0

FISH SUMMARY

134	CE 11	1	NFP	0
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SITE CARD

1-17-13
 197K 35, 35 036
 135
 1-17-13 07130 07130 2016 SR 158 300 ICE FT

CHANNEL
 method M S
 width 0.4 0.5 0.5 0.6
 depth 1.0 0.0 0.0 0.0
 velocity 2.35
 temperature 18
 conductivity 150
 turbidity M L C

COVER
 Type SWD LWD B U DP OV IV
 AMT T N N N S D N
 LOC 0 1 2 3 4 5
 U V S O U V S O
 F G C B R A F G C B R A
 N G S C D M W N G S C D M W
 INIT SHR PS YF MF NA INIT SHR PS YF MF NA

FEATURES
 R F
 R F
 R F
 R F

Stream 7 (Oak L Rd)

1-18-13
 197K 136
 136
 1-18-13 10110 10110 2016 HS 158 250 ICE FT

CHANNEL
 method M S
 width 0.2 0.4 0.3 0.7 1.2 1.1
 depth 1.5 2.5
 velocity 2.5
 temperature 18
 conductivity 150
 turbidity M L C

COVER
 Type SWD LWD B U DP OV IV
 AMT T N N N S D N
 LOC 0 1 2 3 4 5
 U V S O U V S O
 F G C B R A F G C B R A
 N G S C D M W N G S C D M W
 INIT SHR PS YF MF NA INIT SHR PS YF MF NA

FEATURES
 R F
 R F
 R F
 R F

Stream 2 (Oak L Rd)

1-18-13
 197K 137
 137
 1-18-13 10120 10120 2016 HS 158 250 ICE FT

CHANNEL
 method M S
 width 1.0 1.5 2.0 2.5 3.0 3.5
 depth 2.5
 velocity 2.5
 temperature 18
 conductivity 150
 turbidity M L C

COVER
 Type SWD LWD B U DP OV IV
 AMT T N N N S D N
 LOC 0 1 2 3 4 5
 U V S O U V S O
 F G C B R A F G C B R A
 N G S C D M W N G S C D M W
 INIT SHR PS YF MF NA INIT SHR PS YF MF NA

FEATURES
 R F
 R F
 R F
 R F

STREAM NAME: TINTAGEL C

WATERSHED CODE: 1 3037H 000A 520A 019 006900

MAP: 1/18/13 1/18/13 1/18/13 1/18/13

REACH: 197K 137 TIME 10120 AGENCY CAH CREW SR 158

WATER:
 CHANNEL WIDTH (m) 1.5 2.0 2.5 3.0 3.5
 WETTED WIDTH (m) 1.5 2.0 2.5 3.0 3.5
 REEF POOL DEPTH (m) 1.5 2.0 2.5 3.0 3.5
 W. DEPTH 0.4 0.5
 STAGE (M H) 1.5
 No Vls. Ch. DW Trib.

COVER:
 Type SWD LWD B C OP OV IV
 AMT T N S T D T N
 LOC 0 1 2 3 4 5
 U V S O U V S O
 F G C B R A F G C B R A
 N G S C D M W N G S C D M W
 INIT SHR PS YF MF NA INIT SHR PS YF MF NA

FEATURES:
 R F
 R F
 R F
 R F

Notes: at statal elevated section 150m from hwy 16
 (170m down in dam pool)

GAZETTED NAME: TINTAGE C (local)

WATERSHED CODE: 180374000952001019006900

WATERBODY ID: 180374000952001019006900

PROJECT ID: 199A07123 REACH # 2 AGENCY: COIL CREW: SR MT

C	SITE NO.	MAP NO.	DATE	TIME	AGENCY	CREW	PERMIT	STAGE	AGE	TRAIL	MAX LENGTH	REV. ACT.
	138		07123	07123	COIL	SR MT						
	138		07123	07123	COIL	SR MT						

A. GEAR SETTINGS

C	SITE NO.	MTD/NO.	N/P	DATE IN	TIME IN	DATE OUT	TIME OUT	SPR	LENGTH	WIDTH	SHOUL	NET TYPE	LENGTH	DEPTH	NO. OF NETS	SET	MARK
	138	Ex-11		07123	0710	07123	0705	SR	35	25	0						

B. NET/TRAP SPECIFICATIONS

C	SITE NO.	MTD/NO.	N/P	VOLTAGE	PHEN.	PHEN	BAKE	MODEL
	138	Ex-11		1600	60	6	SR	123

COMMENTS: Shin. Pool - on road to show extensively - on other hole (138)

STREAM NAME: TINTAGE C (local)

WATERSHED CODE: 180374000952001019006900

WATERBODY ID: 180374000952001019006900

PROJECT ID: 199A07123 REACH # 2 AGENCY: COIL CREW: SR MT

DATE: 199A07123 TIME: 0610 SITE UTM: 40 ACCESS: RT

CHANNEL: 199A07123 CHANNEL WIDTH (m): 40.4 GRADIENT: 4.0 FLOOD SIGNS: None

WETTED WIDTH (m): 45.18 TEMP: 9.0 COND: µS

RES. POOL DEPTH (m): 1.0 TURB: T M L C

W. DEPTH: 0.3 STAGE: M H No Vls. Ch. Int. DW Trib.

C. COVER

SWD	LWD	B	C	DP	OV	IV	CROWN CLOSURE	DISTURBANCE INDICATORS	PATTERN	ISLANDS	BARS	COUPLING	CONFINEMENT
T	S	N	D	N	N	N	0	0	0	0	0	0	0

FEATURES

C	NID MAP #	NID #	TYRE	HT/LG (m)	PHOTO	COMMENTS
		F	12	70	R2 F4	40m up from 1st hole, lower by 2m - major inaccessible - likely rock falls - all in gradient!

GAZETTED NAME: TINTAGE C (local)

WATERSHED CODE: 180374000952001019006900

WATERBODY ID: 180374000952001019006900

PROJECT ID: 199A07123 REACH # 2 AGENCY: COIL CREW: SR MT

DATE: 199A07123 REACH # 2 AGENCY: COIL CREW: SR MT

C	SITE NO.	MAP NO.	DATE	TIME	AGENCY	CREW	PERMIT	STAGE	AGE	TRAIL	MAX LENGTH	REV. ACT.
	139		07123	07123	COIL	SR MT						
	139		07123	07123	COIL	SR MT						

A. GEAR SETTINGS

C	SITE NO.	MTD/NO.	N/P	DATE IN	TIME IN	DATE OUT	TIME OUT	SPR	LENGTH	WIDTH	SHOUL	NET TYPE	LENGTH	DEPTH	NO. OF NETS	SET	MARK
	139	Ex-11		07123	0600	07123	0600	SR	107	40	3.0						
	139	Ex-12		07123	0600	07123	0600	SR	107	40	3.0						

B. NET/TRAP SPECIFICATIONS

C	SITE NO.	MTD/NO.	N/P	VOLTAGE	PHEN.	PHEN	BAKE	MODEL
	139	Ex-11		1700	60	6	SR	123
	139	Ex-12		1600	70	6		

COMMENTS: no fish seen 1st hole & 2nd sampling in deep pools

STREAM NAME: TINTAGE C (local)

WATERSHED CODE: 180374000952001019006900

WATERBODY ID: 180374000952001019006900

PROJECT ID: 199A07123 REACH # 2 AGENCY: COIL CREW: SR MT

DATE: 199A07123 TIME: 0710 SITE UTM: 40 ACCESS: RT

CHANNEL: 199A07123 CHANNEL WIDTH (m): 31.3 GRADIENT: 4.0 FLOOD SIGNS: None

WETTED WIDTH (m): 11.7 TEMP: 8.0 COND: µS

RES. POOL DEPTH (m): 0.3 TURB: T M L C

W. DEPTH: 0.4 STAGE: M H No Vls. Ch. Int. DW Trib.

C. COVER

SWD	LWD	B	C	DP	OV	IV	CROWN CLOSURE	DISTURBANCE INDICATORS	PATTERN	ISLANDS	BARS	COUPLING	CONFINEMENT
T	S	T	D	T	N	N	0	0	0	0	0	0	0

FEATURES

C	NID MAP #	NID #	TYRE	HT/LG (m)	PHOTO	COMMENTS

FISH COLLECTION FORM

GAZETTED NAME: TINTOCA C (local)

WATERSHED CODE: 180374100019520019190016900

WATERBODY ID: 19090714

REACH # 1 | SITE # 140 | SITE UTM 5 | NID MAP # 22007

DATE: 19990714 | TIME: 11:07:23 | AGENCY: CO16 | CREW: SR M3

SITE/METHOD	A. GEAR SETTINGS				B. NET/TRAP SPECIFICATIONS			
	MTD/NO.	H/P	DATE IN	DATE OUT	BY SEC.	LENGTH	WIDTH	SHCL.
140 EF 1	1		07123	0807123	0920	24	15	0
140 EF 1	2		07123	0807123	0920	24	15	0

COMMENTS: - No fish above 1st file @ end of Reach 1, 1200m up from hwy 16.

C. ELECTROFISHER SPECIFICATIONS							
SITE NO.	MTD/NO.	H/P	VOLTAGE	PULS.	PULSE	BAKE	MODEL
140	EF 1	1	600	60	4	SR	CB
140	EF 1	2	700	60	6	SR	CB

STREAM NAME: Umanal (local)

WATERSHED CODE: 180374100019520019190016900

WATERBODY ID: 19090714

REACH # 1 | SITE # 140 | SITE UTM 5 | NID MAP # 22007

DATE: 19990714 | TIME: 11:14:56 | AGENCY: CO16 | CREW: SR M3

CHANNEL		GRADIENT		FLOOD SIGNS		BED MATERIAL	
CH. WIDTH (m)	2.7	GRADIENT	12.7	FLOOD SIGNS	0, 3	Dominant	C
WETTED WIDTH (m)	1.9	Subdom.	12.7	TEMP	12.5	COND.	6
REL. POOL DEPTH (m)	0.4	TURB.	2	PH	5	T M L C	

COVER		DISTURBANCE INDICATORS		PATTERN		ISLANDS		BARS		COUPLING		CONFINEMENT																								
SWD	LWD	B	C	DP	OV	IV	CROWN CLOSURE	D1	D2	D3	TM	ME	IM	IR	SI	ST	N	O	I	F	S	AN	N	O	P	M	T	L	PC	CO	EN	CO	FC	OC	UN	N/A

GAZETTED NAME: Umanal (local)

WATERSHED CODE: 180374100019520019190016900

WATERBODY ID: 19090714

REACH # 1 | SITE # 140 | SITE UTM 5 | NID MAP # 22007

DATE: 19990714 | TIME: 11:14:56 | AGENCY: CO16 | CREW: SR M3

SITE/METHOD	A. GEAR SETTINGS				B. NET/TRAP SPECIFICATIONS			
	MTD/NO.	H/P	DATE IN	DATE OUT	BY SEC.	LENGTH	WIDTH	SHCL.
141 EF 1	1		0714	1145	0714	1155	180	1.7

C. ELECTROFISHER SPECIFICATIONS							
SITE NO.	MTD/NO.	H/P	VOLTAGE	PULS.	PULSE	BAKE	MODEL
141	EF 1	1	500	70	4		

STREAM NAME: Umanal (local)

WATERSHED CODE: 180374100019520019190016900

WATERBODY ID: 19090714

REACH # 1 | SITE # 142 | SITE UTM 5 | NID MAP # 22007

DATE: 19990714 | TIME: 11:03:30 | AGENCY: CO16 | CREW: SR M3

CHANNEL		GRADIENT		FLOOD SIGNS		BED MATERIAL	
CH. WIDTH (m)	6E4 N/A	GRADIENT	0	FLOOD SIGNS	0	Dominant	C
WETTED WIDTH (m)	6E4 N/A	Subdom.	0	TEMP		COND.	6
REL. POOL DEPTH (m)	6E4 N/A	TURB.	0	PH		T M L C	

COVER		DISTURBANCE INDICATORS		PATTERN		ISLANDS		BARS		COUPLING		CONFINEMENT																								
SWD	LWD	B	C	DP	OV	IV	CROWN CLOSURE	D1	D2	D3	TM	ME	IM	IR	SI	ST	N	O	I	F	S	AN	N	O	P	M	T	L	PC	CO	EN	CO	FC	OC	UN	N/A

SITE CARD

STREAM NAME: Unnamed (local)

WATERSHED CODE: _____

R.P. MAP # _____ R.P.# _____ NID MAP # _____ NID # 12001

REACH # 1 SITE # 143 SITE UTM: _____ NAD # _____ ACCESS: _____

DATE: 10/27/14 TIME: 10:40 AGENCY: COIG CREW: SR, MS FISH PERMIT # _____

CHANNEL: med GRADIENT: C1 FLOOD SIGNS: _____ REG. # _____

CHANNEL WIDTH (m): 16.0507 WEETED WIDTH (m): 16.0507 TEMP: _____ COND: _____

REG. POOL DEPTH (m): _____ W. DEPTH: 0.2 STAGE: M H No. Vts. Ch. (1) _____ (2) _____

COVER

C	COVER	Total	%				
SWD	LWD	B	C	DP	OV	IV	CROWN CLOSURE
<u>S N T M D N</u>							0 1 2 3 4 5
LWD	<u>N O F A U</u>						0 1 2 3 4 5
DIST	<u>C E</u>						INSTREAM VEG: <u>A M V</u>
LB	<u>SHP U V O</u>						RB: <u>SHP U V O</u>
TEXTURE	<u>G C B R A</u>						TEXTURE: <u>G C B R A</u>
RIP. VEG.	<u>N G S C D M W</u>						RIP. VEG.: <u>N G S C D M W</u>
STAGE	INIT SHR PS YF <u>O</u>						STAGE INIT SHR PS YF <u>O</u>

WATER

BED MATERIAL: Dominant F (Subdom): _____

D₈₅ (cm): 0.07 D₁₀ (cm): _____ Morph: FF

ADROPHOLOGY

DISTURBANCE INDICATORS	O1	B1	B2	B3	D1	D2	D3
C1	C2	C3	C4	C5	S1	S2	S3
S4	S5	PATTERN: <u>TM ME IM</u> ST: <u>ST</u>					
ISLANDS: <u>O I F S AN</u>							
BARS: <u>D P M T L</u>							
COUPLING: <u>DC PC CG</u>							
CONFINEMENT: <u>EN CO FC</u> UN: <u>N/A</u>							

FEATURES

C	NID MAP #	NID #	TYPE	HT/LB (m)	PHOTO	COMMENTS
					R_F	
					R_F	
					R_F	
					R_F	

STREAM NAME: Unnamed (local)

WATERSHED CODE: _____

R.P. MAP # _____ R.P.# _____ NID MAP # _____ NID # 12001

REACH # 2 SITE # 144 SITE UTM: _____ NAD # _____ ACCESS: FT

DATE: 10/27/14 TIME: 09:40 AGENCY: COIG CREW: SR, MS FISH PERMIT # _____

CHANNEL: med GRADIENT: C1 FLOOD SIGNS: _____ REG. # _____

CHANNEL WIDTH (m): 16.2916 WEETED WIDTH (m): 13.1716 TEMP: 7.5 COND: _____

REG. POOL DEPTH (m): 0.5 W. DEPTH: 0.5 STAGE: M H No. Vts. Ch. (1) _____ (2) _____

COVER

C	COVER	Total	%				
SWD	LWD	B	C	DP	OV	IV	CROWN CLOSURE
<u>N D T S A</u>							0 1 2 3 4 5
LWD	<u>N O F A U</u>						0 1 2 3 4 5
DIST	<u>C E</u>						INSTREAM VEG: <u>A M V</u>
LB	<u>SHP U V O</u>						RB: <u>SHP U V O</u>
TEXTURE	<u>G C B R A</u>						TEXTURE: <u>G C B R A</u>
RIP. VEG.	<u>N G S C D M W</u>						RIP. VEG.: <u>N G S C D M W</u>
STAGE	INIT SHR PS YF <u>O</u>						STAGE INIT SHR PS YF <u>O</u>

WATER

BED MATERIAL: Dominant C (Subdom): B

D₈₅ (cm): 70 D₁₀ (cm): 1.5 Morph: RP

ADROPHOLOGY

DISTURBANCE INDICATORS	O1	B1	B2	B3	D1	D2	D3
C1	C2	C3	C4	C5	S1	S2	S3
S4	S5	PATTERN: <u>TM ME IM IR</u> ST: <u>ST</u>					
ISLANDS: <u>O I F S AN</u>							
BARS: <u>D P M T L</u>							
COUPLING: <u>DC PC CG</u>							
CONFINEMENT: <u>EN CO FC</u> UN: <u>N/A</u>							

FEATURES

C	NID MAP #	NID #	TYPE	HT/LB (m)	PHOTO	COMMENTS
					R_F	
					R_F	
					R_F	
					R_F	

GAZETTED NAME: Unnamed (local)

WATERSHED CODE: _____

WATERBODY ID: _____

PROJECT ID: _____

REACH # 2 ILP MAP # _____ FISH PERMIT # 12002

DATE: 10/27/14 AGENCY: COIG CREW: SR, MS

SITE/METHOD

C	SITE NO.	MTD/NO.	H/P	DATE IN	DATE OUT	TIME IN	TIME OUT	SP. SEC.	LENGTH	WIDTH	ENCL.	NET TYPE	LENGTH	DEPTH	NO. NET	NO. FISH
	144	EF1	1	07/14/09	07/14/09	15:45	18:30	1.4	0							

COMMENTS

A. GEAR SETTINGS

B. NET/TRAP SPECIFICATIONS

C. ELECTROFISHER SPECIFICATIONS

SITE NO.	MTD/NO.	H/P	VOLTAGE	PULSE	DEPTH	NO. NET	NO. FISH
144	EF1	1	500	70	4	SR	1213

GAZETTED NAME: Unnamed (local)

WATERSHED CODE: _____

WATERBODY ID: _____

PROJECT ID: _____

REACH # 3 ILP MAP # _____ FISH PERMIT # 12002

DATE: 10/27/14 AGENCY: COIG CREW: SR, MS

SITE/METHOD

C	SITE NO.	MTD/NO.	H/P	DATE IN	DATE OUT	TIME IN	TIME OUT	SP. SEC.	LENGTH	WIDTH	ENCL.	NET TYPE	LENGTH	DEPTH	NO. NET	NO. FISH
	145	EF1	1	07/14/09	07/14/09	15:45	18:20	0.7	0							

COMMENTS

A. GEAR SETTINGS

B. NET/TRAP SPECIFICATIONS

C. ELECTROFISHER SPECIFICATIONS

SITE NO.	MTD/NO.	H/P	VOLTAGE	PULSE	DEPTH	NO. NET	NO. FISH
145	EF1	1	400	70	4	SR	1213

STREAM NAME Unnamed

WATERSHED CODE 932021

REACH # 1

DATE 9/9/07

TIME 08:15:00

AGENCY COLB

CREW SR MJ

FISH FORM N P

CHANNEL **WIDTH** **DEPTH** **TEMP** **PH** **TURB** **MLC**

COVER **C** **COVER** **SWD** **LWD** **B** **C** **DP** **OV** **IV** **CROWN CLOSURE** **DIST** **INSTREAM VEG** **TEXTURE** **ISLANDS** **BARS** **COUPLING** **CONFINEMENT**

FEATURES **C** **NO MAP #** **NO** **TYPE** **HT/LG** **PHOTO** **COMMENTS**

SITE CARD

STREAM NAME Unnamed

WATERSHED CODE 932021

REACH # 2

DATE 9/9/07

TIME 10:15:00

AGENCY COLB

CREW SR MJ

FISH FORM N P

CHANNEL **WIDTH** **DEPTH** **TEMP** **PH** **TURB** **MLC**

COVER **C** **COVER** **SWD** **LWD** **B** **C** **DP** **OV** **IV** **CROWN CLOSURE** **DIST** **INSTREAM VEG** **TEXTURE** **ISLANDS** **BARS** **COUPLING** **CONFINEMENT**

FEATURES **C** **NO MAP #** **NO** **TYPE** **HT/LG** **PHOTO** **COMMENTS**

FISH COLLECTION FORM

GAZETED NAME (local)

WATERSHED CODE

WATERBODY ID

PROJECT ID #

REACH # 2

AGENCY COLB

CREW SR MJ

SITE # 147

MTD # EE

NO 145

STREAM CONDITION C

SITE # 147

MTD # NFP

NO 0

A. GEAR SETTINGS

C	SITE NO.	MTD #	NO.	W/P	DATE IN	TIME IN	DATE OUT	TIME OUT	W/NO.	LENGTH	WIDTH	NO.	NET TYPE	LENGTH	DEPTH	ANCHOR	NET #	NO.
	2	EE	11		07/15	0600	07/15	1000	154	270	150							

C. ELECTROFISHER SPECIFICATIONS

SITE NO.	MTD #	W/P	VOLTAGE	NO.	W/P	NO.	NO.	NO.
2	EE	1	500	60	6	SR	RB	

COMMENTS ex. fish sampling and supports Sa 2kg

STREAM NAME Unnamed

WATERSHED CODE 932021

REACH # 2

DATE 9/9/07

TIME 1:51:00

AGENCY COLB

CREW SR MJ

FISH FORM Y P N P

CHANNEL **WIDTH** **DEPTH** **TEMP** **PH** **TURB** **MLC**

COVER **C** **COVER** **SWD** **LWD** **B** **C** **DP** **OV** **IV** **CROWN CLOSURE** **DIST** **INSTREAM VEG** **TEXTURE** **ISLANDS** **BARS** **COUPLING** **CONFINEMENT**

FEATURES **C** **NO MAP #** **NO** **TYPE** **HT/LG** **PHOTO** **COMMENTS**

FISH COLLECTION FORM

GAZETTED NAME: Unadul (local)

WATERSHED CODE: _____

WATERBODY ID: _____ ILP MAP # _____ ILP # 21088

PROJECT ID: _____ REACH # 2 FISH PERMIT # _____

DATE: 19/9/2017 TIME IN: _____ AGENCY: CO16 CREW: SR, MT

SITE / METHOD	A. GEAR SETTINGS					B. NET / TRAP SPECIFICATIONS					
	C	MTD / NO.	N/P	DATE IN	DATE OUT	SP. NO.	LENGTH	WIDTH	NO. OF NETS	NO. OF TRAPS	NO. OF FISH
148	EF1	1	07114	1510	07114	1515	150	0.7	0	0	2

COMMENTS: -hab detemrks in upper part of reach d/t lack of sufficient H₂O

C. ELECTROFISHER SPECIFICATIONS									
SITE NO.	MTD / NO.	N/P	VOLTAGE	PULSE	PULSE	MODE	MODE	MODE	MODE
148	EF1	1	500	70	4	SR	SR	SR	SR

FISH COLLECTION FORM

GAZETTED NAME: Remapping (local)

WATERSHED CODE: _____

WATERBODY ID: _____ ILP MAP # _____ ILP # 21088

PROJECT ID: _____ REACH # 3 FISH PERMIT # _____

DATE: 19/9/2017 TIME IN: _____ AGENCY: CO16 CREW: SR, MT

SITE / METHOD	A. GEAR SETTINGS					B. NET / TRAP SPECIFICATIONS				
	C	MTD / NO.	N/P	DATE IN	DATE OUT	SP. NO.	LENGTH	WIDTH	NO. OF NETS	NO. OF TRAPS
149	EF1	1	07114			389	500	0.2	0	0

COMMENTS:

C. ELECTROFISHER SPECIFICATIONS									
SITE NO.	MTD / NO.	N/P	VOLTAGE	PULSE	PULSE	MODE	MODE	MODE	MODE
149	EF1	1	500	70	4	SR	SR	SR	SR

FISH COLLECTION FORM

GAZETTED NAME: 72088 (local)

WATERSHED CODE: _____

WATERBODY ID: 92K021 ILP MAP # 21088 ILP # 21088

PROJECT ID: 19/9/2017 REACH # 150 FISH PERMIT # 21088

DATE: 19/9/2017 TIME IN: 12:06 AGENCY: CO16 CREW: SR, MT

COVER	CHANNEL		GRADIENTS		FLOOD SIGNS		WATERS	
	width	depth	up	down	method	REQ. #	method	REQ. #
SWD	0.8	0.09	1.00	0.7				
MEAN	0.65	0.05	0.6	1.0	11.0 °C			
MAX	0.05	0.01	0.5	2.0				

COVER	CLOSURE		DISTURBANCE INDICATORS		ISLANDS		COMPLIANCE	
	SWD	LWD	C1	C2	C3	C4	C5	S1
SWD	5	7	0	1	2	3	4	5
MEAN	N	F	A	U	V	C	D	B
MAX	C	E						

COMMENTS:

FISH COLLECTION FORM

GAZETTED NAME: _____ (local)

WATERSHED CODE: _____

WATERBODY ID: 92K021 ILP MAP # 21088 ILP # 21088

PROJECT ID: 19/9/2017 REACH # 4 FISH PERMIT # _____

DATE: 19/9/2017 TIME IN: _____ AGENCY: CO16 CREW: SR, MT

SITE / METHOD	A. GEAR SETTINGS					B. NET / TRAP SPECIFICATIONS				
	C	MTD / NO.	N/P	DATE IN	DATE OUT	SP. NO.	LENGTH	WIDTH	NO. OF NETS	NO. OF TRAPS
150	EF1	1	07115			210	700	0.6	0	0

COMMENTS: NFC

C. ELECTROFISHER SPECIFICATIONS									
SITE NO.	MTD / NO.	N/P	VOLTAGE	PULSE	PULSE	MODE	MODE	MODE	MODE
150	EF1	1	600	60	6	SR	SR	SR	SR

SITE CARD

STREAM NAME: Unamed (local)

WATERSHED CODE: 71088

REACH: 5 MAP: 9207 SITE: 151 AGENCY: COLL CREW: BR MT

DATE: 9/9/07 TIME: 11:50 PROJECT ID: 151 FISH PERMIT #: 921088

CHANNEL: mead GRADIENT: 1.0 FLOOD SIGN: mead

CHANNEL WIDTH: 16.0 MTD: 07 STAGE: 0 M H

WATER TEMPERATURE: 11.0 °C

DEPTH: 0.70 M

COVER: SWD: 1 LWD: 1 B: 1 C: 1 DP: 1 OV: 1 IV: 1

VEGETATION: U V G O

STRUCTURE: 0 G C B R A

INIT SHR: PS YF MF

PHOTO: R - F

COMMENTS: R - F

FISH COLLECTION FORM

GAZETTED NAME: (local)

WATERSHED CODE: 71088

WATERBODY ID: 151 MAP: 9207 ILP #: 921088

PROJECT ID: 151 REACH: 5 AGENCY: COLL CREW: BR MT

DATE: 9/9/07 TIME: 11:50

SITE/METHOD: 151 EF 11 C

FISH SUMMARY: (NFP)

A. GEAR SETTINGS: SITE NO. 151 MTD/NO. EF 11 N/P C DATE IN 07/11/07 TIME IN 10:00 DATE OUT 10:00 TIME OUT 10:00

B. NET/TRAP SPECIFICATIONS: NET TYPE 0 LENGTH 10 MESH 5 WIDTH 10 DEPTH 0

C. ELECTROFISHER SPECIFICATIONS: SITE NO. 151 MTD/NO. EF 11 N/P C VOLTAGE 60 PULSE 4 SE 12B

COMMENTS: no back to shock - at last night over cable no lead needed

SITE CARD

STREAM NAME: Unamed (local)

WATERSHED CODE: 71090

REACH: 1 MAP: 9207 SITE: 152 AGENCY: COLL CREW: BR MT

DATE: 9/9/07 TIME: 11:50 PROJECT ID: 152 FISH PERMIT #: 21090

CHANNEL: mead GRADIENT: 1.0 FLOOD SIGN: mead

CHANNEL WIDTH: 16.0 MTD: 07 STAGE: 0 M H

WATER TEMPERATURE: 11.0 °C

DEPTH: 0.70 M

COVER: SWD: 1 LWD: 1 B: 1 C: 1 DP: 1 OV: 1 IV: 1

VEGETATION: U V G O

STRUCTURE: 0 G C B R A

INIT SHR: PS YF MF

PHOTO: R - F

COMMENTS: R - F

FISH COLLECTION FORM

GAZETTED NAME: (local)

WATERSHED CODE: 71090

WATERBODY ID: 152 MAP: 9207 ILP #: 21090

PROJECT ID: 152 REACH: 1 AGENCY: COLL CREW: BR MT

DATE: 9/9/07 TIME: 11:50

SITE/METHOD: 152 EF 11 C

FISH SUMMARY: (NFP)

A. GEAR SETTINGS: SITE NO. 152 MTD/NO. EF 11 N/P C DATE IN 07/11/07 TIME IN 10:00 DATE OUT 10:00 TIME OUT 10:00

B. NET/TRAP SPECIFICATIONS: NET TYPE 0 LENGTH 10 MESH 5 WIDTH 10 DEPTH 0

C. ELECTROFISHER SPECIFICATIONS: SITE NO. 152 MTD/NO. EF 11 N/P C VOLTAGE 500 PULSE 4

COMMENTS: 2000 ca in no habitat area - slow, weak, shallow disc. pool over pool/organics

SITE CARD

7th St in reach (1st mt)

DATE: 7/10/81
 TIME: 153
 AGENCY: CO16
 SITE: SR 1M5
 ADDRESS: 1101 Rt 29

CHANNEL: NE OR 7 80 pms - cr.
 NE OR
 NE OR

TEMP: 12.0 °C

STAGE: OM H
 No Via. Ch. Trib.
 DW

COVER

SWD	LWD	B	C	DP	OV	IV	CROWN CLOSURE
ST	N	N	A	U			0
LOC	C	E					

INIT SHR PS YF MF

PHOTO: COMMENTS

FISH COLLECTION FORM

WATERSHED CODE: _____

WATERBODY: _____

PROJECT: _____

DATE: 1/28/81

AGENCY: CO16

CREW: SR 1M5

SITE NO.	MTD/NO.	N/P	SPECIES	STAGE	DATE	TIME	LENGTH	WEIGHT	SEX	AGE
153	EE11	L	LKC J							

COMMENTS: only LKC caught this creek head

only RB in 5b

A. GEAR SETTINGS

SITE NO.	MTD/NO.	N/P	DATE IN	TIME IN	DATE OUT	TIME OUT	SP. NO.	LENGTH	SHAPE	DECL.	NETTYPE	LENGTH	DEPTH	SET	BALE
153	EE11	L					886	11005	0						

C. ELECTROFISHER SPECIFICATIONS

SITE NO.	MTD/NO.	N/P	VOLTAGE	PULSE	PULSE	MODE	MOOD
153	EE11	L	100	60	6	SR	12B

Unmanned

DATE: 7/10/81
 TIME: 154
 AGENCY: CO16
 SITE: SR 1M5
 ADDRESS: 1101 Rt 29

CHANNEL: NE OR 7 80 pms - cr.
 NE OR
 NE OR

TEMP: 12.0 °C

STAGE: OM H
 No Via. Ch. Trib.
 DW

COVER

SWD	LWD	B	U	DP	OV	IV	CROWN CLOSURE
ST	N	N	A	U			0
LOC	C	E					

INIT SHR PS YF MF

PHOTO: COMMENTS

FISH COLLECTION FORM

WATERSHED CODE: _____

WATERBODY: _____

PROJECT: _____

DATE: 7/10/81

AGENCY: CO16

CREW: SR 1M5

SITE NO.	MTD/NO.	N/P	SPECIES	STAGE	DATE	TIME	LENGTH	WEIGHT	SEX	AGE
154	EE11	L	LKC							

COMMENTS: only LKC caught this creek head

only RB in 5b

A. GEAR SETTINGS

SITE NO.	MTD/NO.	N/P	DATE IN	TIME IN	DATE OUT	TIME OUT	SP. NO.	LENGTH	SHAPE	DECL.	NETTYPE	LENGTH	DEPTH	SET	BALE
154	EE11	L					886	11005	0						

C. ELECTROFISHER SPECIFICATIONS

SITE NO.	MTD/NO.	N/P	VOLTAGE	PULSE	PULSE	MODE	MOOD
154	EE11	L	100	60	6	SR	12B

FISH COLLECTION FORM

COVER NAME: Yosemite LAKE STREAM WETLAND

WATERSHED CODE: 100990723 REACH: 21024 SITE/STREAM ATTACHED: Y/N

REACH: Yosemite AGENCY: COLG AGENCY: MT SR RE-SAMPLE

SITE/METHOD: 155 EF1 12 C

FISH SUMMARY: 155 EF1 12 C

FISH COLLECTION FORM

COVER NAME: Powder House C. LAKE STREAM WETLAND

WATERSHED CODE: 180137402093200119028600 REACH: 3- 156 479 HC FF

REACH: 180137402093200119028600 AGENCY: COLG AGENCY: MT SR RE-SAMPLE

SITE/METHOD: 156 479 HC FF

FISH SUMMARY: 156 479 HC FF

CHANNEL: HC 2.5 2.7 1.2 3.6 2.6 2.8 HT 1.7 1.4 1.2 3.1 1.2 2.7 HS 0.3 0.2 0.4 0.2 0.3 0.4

TEMP: 9.5 °C

PH: 7.5

DO: no

COVER: U S O F B B A N G S D M W INIT SHR PS YF NA

FEATURES: R F

FISH COLLECTION FORM

COVER NAME: Powder House C. LAKE STREAM WETLAND

WATERSHED CODE: 180137402093200119028600 REACH: 3- 156 479 HC FF

REACH: 180137402093200119028600 AGENCY: COLG AGENCY: MT SR RE-SAMPLE

SITE/METHOD: 156 479 HC FF

FISH SUMMARY: 156 479 HC FF

CHANNEL: HC 2.5 2.7 1.2 3.6 2.6 2.8 HT 1.7 1.4 1.2 3.1 1.2 2.7 HS 0.3 0.2 0.4 0.2 0.3 0.4

TEMP: 9.5 °C

PH: 7.5

DO: no

COVER: U S O F B B A N G S D M W INIT SHR PS YF NA

FEATURES: R F

FISH COLLECTION FORM

COVER NAME: Wounded 1997 SR LAKE STREAM WETLAND

WATERSHED CODE: 180137402093200119028600 REACH: 3- 157 479 HC FF

REACH: 180137402093200119028600 AGENCY: COLG AGENCY: MT SR RE-SAMPLE

SITE/METHOD: 157 479 HC FF

FISH SUMMARY: 157 479 HC FF

CHANNEL: HC 2.5 2.7 1.2 3.6 2.6 2.8 HT 1.7 1.4 1.2 3.1 1.2 2.7 HS 0.3 0.2 0.4 0.2 0.3 0.4

TEMP: 9.5 °C

PH: 7.5

DO: no

COVER: U S O F B B A N G S D M W INIT SHR PS YF NA

FEATURES: R F

SITE CARD

11 - 31002

19990724 158 141010 COIL SR 130

CHANNEL: mod 1 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1

WATER: T M D C

COVER: Type SWD LWD B U DP OV IV

AMT: T N R R T S

LOC: 0 (1) 2 3 4 5

COVER: U V S O U V S O

COVER: G C B R A G C B R A

COVER: N G S C D M W N G S C D M W

COVER: INIT SHR PS YF MFNA INIT SHR PS YF MFNA

COVER: TM ME IM IR ST ST

COVER: (N) O I F S AN

COVER: (R) SIDE DIAG MID SPAN BR

COVER: DC (FC) CO

COVER: EN CO (FC) OC UN N/A

FEATURES: R F

SITE/METHOD

158

158 EE NPL 0

158 EE NPL 0

FISH COLLECTION FORM

GAZETTED NAME: (local)

WATERSHED CODE:

WATERBODY ID: 31004

PROJECT ID: reservoir 97 REACH: 23K001 FISH PERMIT # 31004

DATE: 19990724 AGENCY: COIL CREW: SR MS

C	SITE NO.	INTD/NO.	N/P	SPECIES	STAGE	AGE	TOTAL #	MIN LENGTH	MAX LENGTH	FISH ACT.
C	159	EE155	1	NFL			0			

A. GEAR SETTINGS

C	SITE NO.	INTD/NO.	N/P	DATE IN	DATE OUT	TIME OUT	SP. INC.	LENGTH	WIDTH	DEPTH	NET TYPE	LENGTH	SHAPE	AREA	NET #	SHAPE
C	159	EE1	1	0724	0645	0630	74	105	0.6	0						

C. ELECTROFISHER SPECIFICATIONS

SITE NO.	INTD/NO.	N/P	VOLTAGE	WAVE	PULSE #	MAKES	MODEL
159	EE1	1	700	70	6	SR	12B

COMMENTS: - sampled in 97, 1st sample site for 5/6
- back to site over Camp is reusable
- low hab or potential
- checked city available deeper streams otherwise for shallow (< 1m) overall

FISH COLLECTION FORM

GAZETTED NAME: (local)

WATERSHED CODE:

WATERBODY ID: 31006

PROJECT ID: reservoir 97 REACH: 23K001 FISH PERMIT # 31006

DATE: 19990724 AGENCY: COIL CREW: SR MS

C	SITE NO.	INTD/NO.	N/P	SPECIES	STAGE	AGE	TOTAL #	MIN LENGTH	MAX LENGTH	FISH ACT.
C	160	EE11	1	NFL			0			

A. GEAR SETTINGS

C	SITE NO.	INTD/NO.	N/P	DATE IN	DATE OUT	TIME OUT	SP. INC.	LENGTH	WIDTH	DEPTH	NET TYPE	LENGTH	SHAPE	AREA	NET #	SHAPE
C	160	EE11	1	0724	0635	0635	71	60	0.1	0						

C. ELECTROFISHER SPECIFICATIONS

SITE NO.	INTD/NO.	N/P	VOLTAGE	WAVE	PULSE #	MAKES	MODEL
160	EE11	1	700	70	6	SR	12B

COMMENTS: - sampled here in 97 - NFL
- rec made site to 99
- not much of a channel - no flow over rocks
- and flow extremely shallow (20-50cm)
- with deep wooded gully (Matsus)
- no flow over rocks

FISH COLLECTION FORM

WATERWAY NAME: Reservoir 17 **REACH:** 2 **MAP:** 93K031 **DATE:** 3/08
PROJECT ID: 119910724 **AGENCY:** CO16 **PERMIT:** GR 117

SITE / METHOD	161	EF 11	1	NFC	0

A. GEAR SETTINGS **B. NET / TRAP SPECIFICATIONS**

161	EF 11	1	0712H	050	0712H	050	174	116	0.5	0
161	EF 11	2	0712H	050	0712H	050	174	116	0.5	0

COMMENTS:
 - Sample taken in 97-NET
 - 2 sample upper stratum below 50m edge
 - 2 sample - day in lot summer in mangrove habitat for spring fish
 - 2 spec (-157A) in middle of reach
 - NO fish seen

ELECTROFISHER SPECIFICATIONS	SITE NO.	161	INTD / NO.	EF 11	VOLTS	700	PS	80	MINUTE	6	WATER	SR	17B
	SITE NO.	161	INTD / NO.	EF 11	VOLTS	600	PS	70	MINUTE	6	WATER	SR	17B

ENDRIA LAKE STREAM WETLAND

WATERWAY NAME: Reservoir 16 **REACH:** 3 **MAP:** 93K031 **DATE:** 3/08
PROJECT ID: 119910729 **AGENCY:** CO16 **PERMIT:** NS 110

SITE / METHOD	162	MT 11	1	NFC	0

FISH SUMMARY

162	MT 11	1	NFC	0
	MT 11	2		0
	MT 11	3		0
	MT 11	4		0

ENDRIA LAKE STREAM WETLAND

WATERWAY NAME: Reservoir 16 **REACH:** 6 **MAP:** 93K031 **DATE:** 3/08
PROJECT ID: 119910730 **AGENCY:** CO16 **PERMIT:** NS 117

SITE / METHOD	163	EF 11	1	NFC	0

FISH SUMMARY

163	EF 11	1	NFC	0
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ENDRIA LAKE STREAM WETLAND

WATERWAY NAME: Reservoir 16 **REACH:** 6 **MAP:** 93K031 **DATE:** 3/08
PROJECT ID: 119910730 **AGENCY:** CO16 **PERMIT:** NS 117

SITE / METHOD	163	EF 11	1	NFC	0

FISH SUMMARY

163	EF 11	1	NFC	0
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FISH COLLECTION FORM

Name: ENDR1 LAKE STREAM WETLAND

Project: Resampling Date: 4-11-06 Agency: MT, MT RE-SAMPLE

DATE: 10/9/81/7/2/5 TIME: 11:00 LOCATION: 164 SITE: EF DISTANCE: 11.0 COMMENTS: C

SITE/METHOD

164	EF	1	MS	2	OR	113	K
-----	----	---	----	---	----	-----	---

FISH SUMMARY

164	EF	1	MS	2	OR	113	K
-----	----	---	----	---	----	-----	---

Name: Unnamed ENDR1

Project: 165 Date: 1/31/11 Agency: COLE MT, MT RE-SAMPLE

DATE: 10/9/81/7/2/5 TIME: 1:31:11 LOCATION: 165 SITE: EF DISTANCE: 750.1 HC COMMENTS: FT

CHANNEL

Channel ID: HC 2.5 2.1 2.0 2.7 2.0 1.9 Gradient: 11.2 °C Water Temp: 11.2 °C Conductivity: µS/cm

Channel ID: HC 0.9 1.1 1.0 0.4 0.2 0.0 Channel ID: 4 5 Channel ID: 6 4

Channel ID: 0.4 0.6 0.5 0.2 0.5 Channel ID: OM H Channel ID: A Channel ID: 20 Channel ID: 5 Channel ID: GP

COVER

Type	SWD	LWD	B	U	DP	OV	IV	0	1	2	3	4	5
AMT	N	T	N	T	S	D	T	0	1	2	3	4	5
LOC	P	P	P	P	P	P	P	0	1	2	3	4	5

MOORPHOLOGY

Disturbance Indicators	TM	ME	IM	IR	SI	ST
01 B1 B2 B3						
D1 D2 D3						
C1 C2 C3 C4 C5						
S1 S2 S3 S4 S5						

FEATURES

R_ F_

R_ F_

R_ F_

Name: Local LAKE STREAM WETLAND

Project: 165 Date: 1/31/11 Agency: COLE MT, MT RE-SAMPLE

DATE: 10/9/81/7/2/5 TIME: 1:31:11 LOCATION: 165 SITE: EF DISTANCE: 750.1 HC COMMENTS: FT

SITE/METHOD

165	EF	1	MS	2	OR	113	K
-----	----	---	----	---	----	-----	---

FISH SUMMARY

165	EF	1	MS	2	OR	113	K
-----	----	---	----	---	----	-----	---

Name: ENDR1

Project: 166 Date: 1/14/17 Agency: COLE MT, MT RE-SAMPLE

DATE: 10/9/81/7/2/5 TIME: 1:14:37 LOCATION: 166 SITE: EF DISTANCE: 550.1 HC COMMENTS: FT

CHANNEL

Channel ID: HC 2.1 2.2 2.2 2.7 2.0 Gradient: 13.5 °C Water Temp: 13.5 °C Conductivity: µS/cm

Channel ID: HC 1.5 1.3 0.2 1.2 1.8 Channel ID: 9 0 Channel ID: 8

Channel ID: 0.5 0.5 0.4 Channel ID: LM H Channel ID: M Channel ID: US Channel ID: 20 Channel ID: GP Channel ID: SA

COVER

Type	SWD	LWD	B	U	DP	OV	IV	0	1	2	3	4	5
AMT	T	T	D	T	S	S	T	0	1	2	3	4	5
LOC								0	1	2	3	4	5

MOORPHOLOGY

Disturbance Indicators	TM	ME	IM	IR	SI	ST
01 B1 B2 B3						
D1 D2 D3						
C1 C2 C3 C4 C5						
S1 S2 S3 S4 S5						

FEATURES

R_ F_

R_ F_

R_ F_

FISH COLLECTION FORM

END TR 1 LAKE STREAM WETLAND

PROJECT NAME: [REDACTED] AGENCY: CO16 PERM: H5 MTJ RE-SAMPLE:

DATE: 1/19/2017 TIME: 5:00 SITE: 166 METHOD: EFF 138 C

SITE/METHOD

166 EFF 1 138 A 1 138 138 R

FISH SUMMARY

FISH COLLECTION FORM

END TR 1 LAKE STREAM WETLAND

PROJECT NAME: [REDACTED] AGENCY: CO16 PERM: H5 MTJ RE-SAMPLE:

DATE: 1/19/2017 TIME: 5:00 SITE: 167 METHOD: EFF 138 C

SITE/METHOD

167 EFF 1 138 A 1 138 138 R

FISH SUMMARY

FISH COLLECTION FORM

END TR 1 LAKE STREAM WETLAND

PROJECT NAME: [REDACTED] AGENCY: CO16 PERM: H5 MTJ RE-SAMPLE:

DATE: 1/19/2017 TIME: 5:00 SITE: 167 METHOD: EFF 12.5 C

SITE/METHOD

167 EFF 1 12.5 A 1 142 142 R

FISH SUMMARY

FISH COLLECTION FORM

END TR 1 LAKE STREAM WETLAND

PROJECT NAME: [REDACTED] AGENCY: CO16 PERM: H5 MTJ RE-SAMPLE:

DATE: 1/19/2017 TIME: 6:00 SITE: 168 METHOD: EFF 138 C

SITE/METHOD

168 EFF 1 138 A 1 142 142 R

FISH SUMMARY

FISH COLLECTION FORM

WATER TYPE: LAKE STREAM WETLAND

WYON

6 -

1998107226 AGENCY: CO16 CREW: MSMT

168 EF 11 C

FISH SUMMARY:

168	EF 11	1	RB	J	2	86	109	R
169	EF 11	2	RB	A	1	139	139	R

FISH COLLECTION FORM

WATER TYPE: LAKE STREAM WETLAND

WYON

8 -

1998107226 AGENCY: CO16 CREW: MSMT

169 EF 11 C

Channel: K 1.4 1.8 1.6 1.5 1.5 1.4

Temperature: 14.5 °C

COVER:

Type	SWD	LWD	B	U	DP	OV	IV
AMT	T	T	T	T	S	S	T
LOC	P	P	P	P	P	P	P

INIT SHR: PS YF MNA

FISH COLLECTION FORM

WATER TYPE: LAKE STREAM WETLAND

WYON

6 -

1998107226 AGENCY: CO16 CREW: MSMT

169 EF 1 16.5 C

FISH SUMMARY:

169	EF 1	1	RB	J	7	87	196	R	Not abundant
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FISH COLLECTION FORM

WATER TYPE: LAKE STREAM WETLAND

WYON

10 -

1998107226 AGENCY: CO16 CREW: MSMT

170 EF 11 C

Channel: K 2.1 1.9 2.0 1.4 1.7

Temperature: 17.5 °C

COVER:

Type	SWD	LWD	B	U	DP	OV	IV
AMT	P	M	S	M	D	T	N
LOC	P	P	P	P	P	P	P

INIT SHR: PS YF MNA

FEATURES:

R 3, R 21, 1507 3m high falls 60 m/s from cutback