APPENDICES

Appendix 1. Stream site summaries for Owyhee County stream surveys done in 1997.

STREAM: Squaw Creek
SAMPLE DATE: 7/3/97
SECTION: SQUAW004.8
EPA REACH: 17050103025
QUAD MAP: Opalene Gultch
RTS: R4W, T1N, S8 NWSE
LAT/LONG: 43 26.287 ; 116 50.062
SECTION DESCRIPTION: Squaw Creek - Site begins above canyon near only large cottonwood.

Transect Information:

Section Length (m):	61
Elevation (m):	800
Gradient (%):	1.83%
Population Est:	0.0 S.E(popest): 0
Shade (%):	53.8
Mean Width (m):	2.4
Mean Depth (m):	0.2
Cover (%):	50

Water Chemistry

Time:	12:50 PM
H2O Temp(C):	11
Air Temp(C):	26.7
pH:	9.0
Alkalinity(mg/l CaCO3):	
Hardness(uS/cm3):	140
Conductivity(mg/l CaCO3):	260

Length Frequency

Species	CM Group	Method	Number Measured
BLS	8	EF	2
BLS	10	EF	1
BLS	11	EF	1
BLS	12	EF	1
BLS	14	EF	1
BLS	15	EF	1
BLS	16	EF	2
BLS	17	EF	1
BLS	18	EF	1
LND	7	EF	1

Habitat Type:

Pool:	0.0	%
Riffle:	50.0	%
Run:	50.0	%
Pocket:	0.0	%

Substrate

Organic:	0	%
Sand:	9	%
Gravel:	30	%
Rubble:	57	%
Boulder:	4	%
Bedrock:	0	%

Species

BLS	Bridgelip sucker
LND	Longnose dace

STREAM: Squaw Creek
SAMPLE DATE: 7/8/97
SECTION: SQUAW008.7
EPA REACH: 17050103025
QUAD MAP: Jump Creek Canyon
RTS: R5W, T1N, S35 NESE
LAT/LONG: 43 22.49 ; 116 53.512
SECTION DESCRIPTION: Squaw Creek - 1/4 mile below private fence.

Transect Information:

Section Length (m):	61
Elevation (m):	1125
Gradient (%):	1.02%
Population Est:	0.0 S.E(popest): 0
Shade (%):	44.1
Mean Width (m):	1.9
Mean Depth (m):	0.1
Cover (%):	33

Water Chemistry

Time:	02:30 PM
H2O Temp(C):	21
Air Temp(C):	37
pH:	9.5
Alkalinity(mg/l CaCO3):	
Hardness(uS/cm3):	160
Conductivity(mg/l CaCO3):	290

Length Frequency

Species	CM Group	Method	Number Measured
LND	5	EF	1
LND	6	EF	2
LND	7	EF	13
LND	8	EF	10
LND	9	EF	5
LND	10	EF	2

Habitat Type:

Pool:	0.0	%
Riffle:	13.3	%
Run:	86.7	%
Pocket:	0.0	%

Substrate

Organic:	0	%
Sand:	21	%
Gravel:	13	%
Rubble:	47	%
Boulder:	19	%
Bedrock:	0	%

Species

LND	Longnose dace

STREAM: Little Squaw Creek SAMPLE DATE: 7/8/97
SECTION: LSQUA000.2
EPA REACH: 17050103026 QUAD MAP: Jump Creek Canyon
RTS: R5W, T1N, S35 NENE LAT/LONG: 43 23.169 ; 116 53.516
SECTION DESCRIPTION: Little Squaw Creek - Section is ~ 100 yds above confluence into Squaw Creek. The section ends at a natural barrier.

Transect Information:

Section Length (m):	61
Elevation (m):	1125
Gradient (%):	2.11%
Population Est:	0.0 S.E(popest): 0
Shade (%):	27.0
Mean Width (m):	0.9
Mean Depth (m):	0.1
Cover (%):	17

Water Chemistry

Time:	11:20 AM
H2O Temp(C):	17.5
Air Temp(C):	31.5
pH:	9.2
Alkalinity(mg/l CaCO3):	
Hardness(uS/cm3):	160
Conductivity(mg/l CaCO3):	600

Length Frequency

Species	CM Group	Method	Number Measured

Habitat Type:

Pool:	20.0	%
Riffle:	60.0	%
Run:	20.0	%
Pocket:	0.0	%

Substrate

Organic:	0	%
Sand:	20	%
Gravel:	19	%
Rubble:	61	%
Boulder:	0	%
Bedrock:	0	%

Species

STREAM: Reynolds Creek SAMPLE DATE: 7/16/97
SECTION: REYNO011.3
EPA REACH: 17050103033 QUAD MAP: Rooster Comb Peak
RTS: R4W, T2S, S12 SWNE LAT/LONG: 43 15.847 ; 116 45.102
SECTION DESCRIPTION: Reynolds Creek - Section is located ~150m below the lower gauging station. Follow animal trail until it comes out a flat. The section begins there.

Transect Information:

Section Length (m):	61		
Elevation (m):	1090		
Gradient (%):	0.73%		
Population Est:	36.0	S.E(popest):	9
Shade (%):			
Mean Width (m):	3.0		
Mean Depth (m):	0.2		
Cover (%):	35		

Water Chemistry

Time:	03:30 PM
H2O Temp(C):	22
Air Temp(C):	31
pH:	9.5
Alkalinity(mg/l CaCO3):	
Hardness(uS/cm3):	340
Conductivity(mg/l CaCO3):	950

Habitat Type:

Pool:	13.3	%
Riffle:	36.7	%
Run:	50.0	%
Pocket:	0.0	%

Substrate

Organic:	0	%
Sand:	12	%
Gravel:	30	%
Rubble:	43	%
Boulder:	16	%
Bedrock:	0	%

Species

SPD	Speckled dace
WRB	Wild rainbow/redband

Length Frequency

Species	CM Group	Method	Number Measured
SPD	3	EF	1
SPD	4	EF	3
SPD	5	EF	37
SPD	6	EF	73
SPD	7	EF	24
SPD	8	EF	25
SPD	9	EF	8
WRB	5	EF	2
WRB	6	EF	3
WRB	7	EF	1
WRB	8	EF	1
WRB	12	EF	2
WRB	13	EF	2
WRB	15	EF	5
WRB	16	EF	2
WRB	17	EF	1
WRB	18	EF	4
WRB	19	EF	2
WRB	20	EF	1
WRB	21	EF	1
WRB	25	EF	1

STREAM: Salmon Creek SAMPLE DATE: 7/9/97
SECTION: SALMO000.6
EPA REACH: 17050103034 QUAD MAP: Solider Cap
RTS: R4W, T2S, S13 NWNE LAT/LONG: 43 15.204 ; 116 45.373
SECTION DESCRIPTION: Salmon Creek - 1/4 mile upstream of gauging station.

Transect Information:

Section Length (m):	61
Elevation (m):	1150
Gradient (%):	1.76%
Population Est:	189.0 S.E(popest): 3
Shade (%):	9.7
Mean Width (m):	2.8
Mean Depth (m):	0.1
Cover (%):	58

Water Chemistry

Time:	04:00 PM
H2O Temp(C):	19.5
Air Temp(C):	27.5
pH:	9.6
Alkalinity(mg/l CaCO3):	
Hardness(uS/cm3):	187
Conductivity(mg/l CaCO3):	330

Habitat Type:

Pool:	20.0	%
Riffle:	36.7	%
Run:	43.3	%
Pocket:	0.0	%

Substrate

Organic:	0	%
Sand:	14	%
Gravel:	3	%
Rubble:	74	%
Boulder:	10	%
Bedrock:	0	%

Species

WRB	Wild rainbow/redband

Length Frequency

Species	CM Group	Method	Number Measured
WRB	4	EF	14
WRB	5	EF	82
WRB	6	EF	71
WRB	7	EF	8
WRB	13	EF	2
WRB	14	EF	4
WRB	15	EF	1
WRB	16	EF	2
WRB	17	EF	1
WRB	18	EF	3
WRB	20	EF	2

STREAM: Macks Creek SAMPLE DATE: 7/9/97
SECTION: MACKS002.0
EPA REACH: 17050103036 QUAD MAP: Roostercomb Peak
RTS: R4W, T2S, S27 NWNE LAT/LONG: 43 13.62 ; 116 47.758
SECTION DESCRIPTION: Macks Creek - Section is located ~ 50m above the diversion. There is an old jeep trail that can be taken all the way to it.

Transect Information:

Section Length (m):	61		
Elevation (m):	1225		
Gradient (%):	1.31%		
Population Est:	0.0	S.E(popest):	0
Shade (%):	9.3		
Mean Width (m):	2.0		
Mean Depth (m):	0.1		
Cover (%):	17		

Water Chemistry

Time:	10:20 AM
H2O Temp(C):	16
Air Temp(C):	22
pH:	9.2
Alkalinity(mg/l CaCO3):	
Hardness(uS/cm3):	140
Conductivity(mg/l CaCO3):	240

Length Frequency

Species	CM Group	Method	Number Measured

Habitat Type:

Pool:	0.0	%
Riffle:	46.7	%
Run:	53.3	%
Pocket:	0.0	%

Substrate

Organic:	0	%
Sand:	11	%
Gravel:	24	%
Rubble:	42	%
Boulder:	23	%
Bedrock:	0	%

Species

STREAM: Reynolds Creek SAMPLE DATE: 7/16/97
SECTION: REYNO019.5
EPA REACH: 17050103037 QUAD MAP: Solider Cap
RTS: R4W, T3S, S24 NESW LAT/LONG: 43 8.596 ; 116 45.715
SECTION DESCRIPTION: Reynolds Creek - Section is located ~150 m below the upper gauging station at the first bend where the water channel narrows, then widens again.

Transect Information:

Section Length (m):	61		
Elevation (m):	1400		
Gradient (%):	1.81%		
Population Est:	44.0	S.E(popest):	2
Shade (%):			
Mean Width (m):	3.6		
Mean Depth (m):	0.2		
Cover (%):	38		

Water Chemistry

Time:	12:00 PM
H2O Temp(C):	17
Air Temp(C):	28
pH:	9.3
Alkalinity(mg/l CaCO3):	
Hardness(uS/cm3):	85
Conductivity(mg/l CaCO3):	90

Length Frequency

Species	CM Group	Method	Number Measured
SPD	5	EF	1
SPD	7	EF	1
SPD	9	EF	1
WRB	10	EF	1
WRB	11	EF	3
WRB	12	EF	6
WRB	13	EF	7
WRB	14	EF	9
WRB	15	EF	1
WRB	16	EF	3
WRB	17	EF	3
WRB	18	EF	1
WRB	19	EF	3
WRB	20	EF	2
WRB	21	EF	1
WRB	25	EF	2

Habitat Type:

Pool:	0.0	%
Riffle:	10.0	%
Run:	53.3	%
Pocket:	36.7	%

Substrate

Organic:	0	%
Sand:	0	%
Gravel:	19	%
Rubble:	62	%
Boulder:	16	%
Bedrock:	3	%

Species

SPD	Speckled dace
WRB	Wild rainbow/redband

STREAM: Sinker Creek SAMPLE DATE: 7/15/97
SECTION: SINKE016.0
EPA REACH: 17050103048 QUAD MAP: Sinker Canyon
RTS: R2W, T4S, S19 NENW LAT/LONG: 43 3.882 ; 116 37.551
SECTION DESCRIPTION: Sinker Creek - 1/2 mile downstream of upper road crossing

Transect Information:

Section Length (m):	61
Elevation (m):	1140
Gradient (%):	0.89%
Population Est:	29.0 S.E(popest): 1
Shade (%):	18.7
Mean Width (m):	2.6
Mean Depth (m):	0.1
Cover (%):	7

Water Chemistry

Time:	12:00 PM
H2O Temp(C):	18
Air Temp(C):	28
pH:	8.9
Alkalinity(mg/l CaCO3):	
Hardness(uS/cm3):	102
Conductivity(mg/l CaCO3):	100

Habitat Type:

Pool:	0.0	%
Riffle:	20.0	%
Run:	50.0	%
Pocket:	30.0	%

Substrate

Organic:	0	%
Sand:	33	%
Gravel:	18	%
Rubble:	26	%
Boulder:	18	%
Bedrock:	3	%

Species	
WRB	Wild rainbow/redband

Length Frequency

Species	CM Group	Method	Number Measured
WRB	3	EF	1
WRB	4	EF	8
WRB	5	EF	12
WRB	6	EF	3
WRB	14	EF	1
WRB	16	EF	1
WRB	20	EF	2

STREAM: Scotch Bob Creek SAMPLE DATE: 7/15/97
SECTION: SCBOB000.7
EPA REACH: 17050103090 QUAD MAP: Silver City
RTS: R3W, T4S, S24 NESW LAT/LONG: 43 3.456 ; 116 38.71
SECTION DESCRIPTION: Scotch Bob Creek - .7 mile upstream of Sinker Cr.

Transect Information:

Section Length (m):	61
Elevation (m):	1225
Gradient (%):	2.95%
Population Est:	2.0 S.E(popest):
Shade (%):	53.7
Mean Width (m):	1.6
Mean Depth (m):	0.1
Cover (%):	20

Water Chemistry

Time:	02:30 PM
H2O Temp(C):	17
Air Temp(C):	29
pH:	9.1
Alkalinity(mg/l CaCO3):	
Hardness(uS/cm3):	100
Conductivity(mg/l CaCO3):	90

Length Frequency

Species	CM Group	Method	Number Measured
WRB	14	EF	1
WRB	19	EF	1

Habitat Type:

Pool:	10.0	%
Riffle:	30.0	%
Run:	20.0	%
Pocket:	40.0	%

Substrate

Organic:	0	%
Sand:	26	%
Gravel:	21	%
Rubble:	43	%
Boulder:	4	%
Bedrock:	7	%

Species

WRB	Wild rainbow/redband