

The Status of Fishes on the Middle Fork Ranger District, Salmon-Challis National Forest (2002-2008)



Prepared by:

Bart L. Gamett
Jessica A. Bartel

South Zone Fish Program
Salmon-Challis National Forest

Trout Unlimited
Idaho Water Project

March 15, 2011



TABLE OF CONTENTS

TABLE OF CONTENTS.....	1
ACKNOWLEDGEMENTS.....	3
INTRODUCTION	4
METHODS	4
FINDINGS AND DISCUSSION.....	6
Steelhead/Rainbow Trout.....	6
Cutthroat Trout	6
Rainbow Trout x Cutthroat Trout Hybrids	7
Bull Trout.....	7
Brook Trout.....	7
Brook Trout x Bull Trout Hybrids	7
Chinook Salmon	8
Mountain Whitefish	8
Pacific Lamprey	8
Northern Pikeminnow	8
Suckers.....	9
Redside Shiner	9
Dace	9
Sculpin	9
Golden Trout.....	10
Grayling	10
LITERATURE CITED	11
APPENDICES	12
APPENDIX A – FIGURES	13
Figure 1. General overview of study area. Salmon-Challis National Forest (outline) and Middle Fork Ranger District (shaded area).....	14
Figure 2. Priority sampling areas on the Middle Fork Ranger District, Salmon-Challis National Forest.	15
Figure 3. Sampling sites located on the Middle Fork Ranger District. The site numbers on this map correspond to the site numbers in the tables and Appendix C.	16
Figure 4. Steelhead/rainbow trout occurrence on the Middle Fork Ranger District. The site codes on this map correspond to the site codes in the tables and Appendix C.	17
Figure 5. Cutthroat trout occurrence on the Middle Fork Ranger District. The site codes on this map correspond to the site codes in the tables and Appendix C.....	18
Figure 6. Bull trout occurrence on the Middle Fork Ranger District. The site codes on this map correspond to the site codes in the tables and Appendix C.....	19
Figure 7. Brook trout occurrence on the Middle Fork Ranger District. The site codes on this map correspond to the site codes in the tables and Appendix C.....	20
Figure 8. Brook trout x bull trout occurrence on the Middle Fork Ranger District. The site codes on this map correspond to the site codes in the tables and Appendix C.	21
Figure 9. Chinook salmon occurrence on the Middle Fork Ranger District. The site codes on this map correspond to the site codes in the tables and Appendix C.....	22
Figure 10. Mountain whitefish occurrence on the Middle Fork Ranger District. The site codes on this map correspond to the site codes in the tables and Appendix C.	23
Figure 11. Pacific lamprey occurrence on the Middle Fork Ranger District. The site codes on this map correspond to the site codes in the tables and Appendix C.....	24
Figure 12. Northern pikeminnow occurrence on the Middle Fork Ranger District. The site codes on this map correspond to the site codes in the tables and Appendix C.	25
Figure 13. Sucker occurrence on the Middle Fork Ranger District. The site codes on this map	

correspond to the site codes in the tables and Appendix C.....	26
Figure 14. Redside shiner occurrence on the Middle Fork Ranger District. The site codes on this map correspond to the site codes in the tables and Appendix C.....	27
Figure 15. Dace occurrence on the Middle Fork Ranger District. The site codes on this map correspond to the site codes in the tables and Appendix C.....	28
Figure 16. Sculpin occurrence on the Middle Fork Ranger District. The site codes on this map correspond to the site codes in the tables and Appendix C.....	29
APPENDIX B – TABLES	30
Table 1. General description of all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.	31
Table 2. Species occurrence in all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.	46
Table 3. Species densities in all sites assessed from 2006-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.	57
Table 4. Voucher specimens collected from the Middle Fork Ranger District, Salmon-Challis National Forest. Unless noted otherwise, all specimens are deposited in the Orma J. Smith Museum of Natural History at the College of Idaho.....	58
APPENDIX C – RAW SITE DATA	60

ACKNOWLEDGEMENTS

Funding for this project was provided by the Salmon-Challis National Forest and the Trout Unlimited Idaho Water Project. Additional data were provided by the Idaho Department of Fish and Game, Idaho Department of Environmental Quality, and Boise National Forest. We wish to thank each of the following individuals for their important contributions to this study:

USDA Forest Service – Salmon-Challis National Forest

- Todd Adams – Field work
- Thad Brewer – Field work
- Colt Farmer – Field work
- Kyle Foster – Field work
- Matt Foster – Field work
- Matt Hallowell – Field work
- Matt Haroldsen – Field work
- Matt Jeffress – Field work
- Edward Kern – Field work
- Tanner Mangan – Field work
- Julie Markham – Field work
- Madison McKelvey – Field work
- Tanner Peters – Field work
- Jason Pyron – Field work
- Mike Stephens – Field work
- Erica Tillotson – Field work and data analysis
- Matt Tillotson – Field work
- Joseph Vacirca – Field work
- Joseph J Way – Field work
- Caselle Wood – Data analysis and report preparation

USDA Forest Service – Boise National Forest

- Mike Kellett – Providing sampling data collected by the Boise National Forest

American Fisheries Society – Hutton Program

- Joe Montoya – Field work

Idaho Department of Fish and Game

- Arnie Brimmer – Providing sampling data collected by the Salmon Region
- Tim Copeland – Providing sampling data collected by the General Parr Monitoring program
- Tom Curet – Providing sampling data collected by the Salmon Region and coordinating field work
- Bob Esselman – Providing sampling data collected by the Salmon Region
- Malena Perkins – Field work and data analysis

Trout Unlimited

- Jim Gregory – Field work

INTRODUCTION

Fish population data are limited for much of the Middle Fork Ranger District. Although extensive long-term data sets are available for the Middle Fork Salmon River and several large tributaries, little data exist for many other streams on the district. The lack of data in these areas has limited the ability of managers to develop effective fish and fish habitat management plans. The purpose of this project was to help rectify this problem by collecting fish population data from streams on the Middle Fork Ranger District. The study area included the Middle Fork Ranger District (Appendix A, Figure 1) with the study being conducted between 2002 and 2008.

This study differed significantly from the fish population assessments that we previously completed on the Lost River, Challis, and Yankee Fork ranger districts. On each of these ranger districts, we completed an intensive, systematic assessment of the entire ranger district. However, limited access and very limited funding precluded us from completing a similar comprehensive assessment of the entire Middle Fork Ranger District. Therefore, we focused our work on areas where fish were most likely to be adversely impacted by Forest Service management activities. These priority sampling areas included the following: 1) all streams outside of the Frank Church – River of No Return Wilderness, 2) the mainstem Middle Fork Salmon River, 3) all streams within grazing allotments, and 4) all streams with active stream diversions (Appendix A, Figure 2). The specific objectives of the study were to 1) determine species occurrence in streams and 2) estimate species abundance in selected stream reaches. Although there are numerous mountain lakes on the district, this assessment did not target these water bodies.

METHODS

The data for this study were generated from two general sources. The first was sampling conducted by the Salmon-Challis National Forest. The second was sampling conducted by organizations other than the Salmon-Challis National Forest. This included the Idaho Department of Fish and Game, the Idaho Department of Environmental Quality, and the Boise National Forest. We used data from these organizations in areas where we conducted little or no sampling. A detailed description of the sampling methodology used by the Salmon-Challis National Forest is provided below whereas the sampling methods used by the Idaho Department of Fish and Game, the Idaho Department of Environmental Quality, and the Boise National Forest are available from those organizations.

Some of the data from the Idaho Department of Fish and Game that are included in this report are from a series of long term study sites on the Middle Fork Salmon River and the lower portions of several large tributaries. Data have been collected from these sites for multiple years. At the time we began preparing this report, the most recent data available for these sites were from 2007. Therefore, we elected to use the 2007 data in this report. A few of these long term sites were not sampled in 2007 but were sampled in 2005 in which case we used the 2005 data. Additionally, no fish were observed in one site in 2007 but were observed in the site in 2005. Therefore, we used the 2005 data for this site. The complete long term data sets for these sites are available from the Idaho Department of Fish and Game.

The Salmon-Challis National Forest sampled streams in the following manner. Target streams were accessed by pickup, foot, motorcycle, four-wheeler, raft, and fixed wing aircraft. Each stream was first classified as perennial or ephemeral-intermittent. Streams classified as ephemeral-intermittent were considered fishless and were given no further review whereas perennial streams were further evaluated as described below.

Perennial streams were sampled to determine whether or not fish were present. This involved sampling a representative section of stream by electrofishing, snorkeling, or visual assessment. Electrofishing was completed with a backpack electrofishing unit and one or more netters and involved

making a single upstream pass through the stream reach. All salmonids captured were identified to species and total length measured to the nearest mm. The presence of non-salmonid species was noted but they were generally not enumerated or measured. Snorkeling involved one or two observers making a single pass through the stream reach. All salmonids observed were identified to species and the length of each fish estimated and assigned to one of the following size classes: 0-50, 50-100, 100-150, 150-200, 200-250, >250 mm. As with electrofishing, the presence of any non-salmonid species was noted but they were not enumerated or measured. We did not make any attempt during electrofishing or snorkeling to differentiate between anadromous steelhead (*Oncorhynchus mykiss*) and resident rainbow trout (*O. mykiss*). The visual assessments involved an observer walking along the stream and carefully examining the stream for fish. This technique was only used on small streams when the presence of fish was unlikely and confidence was high that any fish present would be detected. Whenever fish were observed or the observer was not confident that fish could be detected with a visual survey the stream was sampled using electrofishing or snorkeling.

Voucher specimens of some species were collected at selected sites. Some of these collections were made at sites sampled using the standard protocol described above. At other sites, we collected only voucher specimens and did not complete the entire standard sampling protocol. With one exception, all of the fish collected at these sites were deposited in the Orma J. Smith Museum of Natural History at the College of Idaho. Donald W. Zaroban, who is the Curator of Fishes at the museum, identified these fish to the species level. The sculpin collected at one site will be sent to Brigham Young University for genetic analysis and species identifications for this voucher collection are not available at this time.

Salmonid species abundance was estimated at selected sites using multiple pass electrofishing. This involved making two or three passes through the stream reach. We then generated population estimates for each species using MICROFISH 3.0 (Van Deventer and Platts 1985). Only fish larger than 70 mm were used to calculate population estimates. Smaller fish were excluded due to poor capture efficiency. This standard value was selected since there can be large differences in the size of age one fish between sites and determining the length of age one fish based solely on length at every site was very subjective and prone to error. This standard size, which should generally reflect age one and older fish, allows for ease in comparing sites and in duplicating the study. We calculated species density by dividing the population estimate by the surface area of the site. The surface area was calculated by multiplying the mean wetted width by the length sampled.

We attempted to identify trout hybrids in the field and listed them separately on our field forms. However, we were not confident in our ability to correctly differentiate cutthroat trout (*Oncorhynchus clarki*) and cutthroat trout x rainbow trout hybrids (*O. clarki* x *O. mykiss*) based on phenotypic features. Therefore, for the analysis portion of this report including the tables and maps, we grouped fish identified as cutthroat trout x rainbow trout hybrids with cutthroat trout. Nevertheless, the original field data that differentiates cutthroat trout and cutthroat trout x rainbow trout hybrids is provided in Appendix C. Brook trout x bull trout hybrids (*Salvelinus fontinalis* x *S. confluentus*) were treated differently. Previous work has shown that we can correctly identify these hybrids based on physical appearance (Lost River Ranger District, unpublished data). Therefore, we identified brook trout x bull trout hybrids in the field and treated these fish separate from brook trout and bull trout in this report.

We did not identify sculpin and suckers to the species level in the field due to the difficulty and time associated with this task. Similarly, we generally did not identify dace to the species level in the field. However, we did collect and preserve representative voucher specimens of these species from selected locations. These fish were later identified to the species level by Donald W. Zaroban who is the Curator of Fishes at the Orma J. Smith Museum of Natural History at the College of Idaho.

The data collected in this study were used to develop maps depicting fish species occurrence.

This was done by summarizing the data collected at each sampling site and entering it into a GIS database. We used the UTM coordinate system and the North American Datum of 1927 (NAD 27). This database was then used to generate maps depicting species presence and absence at sampling sites.

At some sites, such as the sites where the entire standard sampling protocol was not completed and only voucher specimens were collected, data were only recorded for the target species and information on other species that may have been present was not reported. In these situations, we considered those species which were reported to be present but did not consider other species which were not reported to be absent. This distinction was made in the GIS database and the maps and tables in this report. Since there were little or no data available for many areas on the district we did not project species distributions in stream reaches as we have done on previous ranger districts.

FINDINGS AND DISCUSSION

Fish population data were compiled from a total of 310 sampling events (Appendix A, Figure 3; Appendix B, Table 1; Appendix B, Table 2; Appendix C). The Salmon-Challis National Forest completed 175 of the sampling events and data collected by other organizations were used to generate an additional 135 sampling events. This included four sampling events completed by the Boise National Forest, two sampling events completed by the Idaho Department of Environmental Quality, and 129 sampling events completed by the Idaho Department of Fish and Game. The raw data collected by the Salmon-Challis National Forest is provided in Appendix C whereas the raw data collected by the Boise National Forest, Idaho Department of Environmental Quality, and the Idaho Department of Fish and Game are available from their respective organizations. The stream type was classified as perennial at 303 sampling events and intermittent-ephemeral at seven sampling events. Of the 303 sampling events in perennial streams, 202 were sampled using electrofishing, 98 using snorkeling, and 10 using visual observation. Fish were detected in 277 sampling events.

Fifteen species and two hybrids were observed during this study (Appendix B, Table 2). These were steelhead/rainbow trout, cutthroat trout, rainbow trout x cutthroat trout hybrids, bull trout (*Salvelinus confluentus*), brook trout (*S. fontinalis*), brook trout x bull trout hybrids, Chinook salmon (*O. tshawytscha*), mountain whitefish (*Prosopium williamsoni*), Pacific lamprey (*Lampetra tridentata*), northern pikeminnow (*Ptychocheilus oregonensis*), bridgelip sucker (*Catostomus columbianus*), largescale sucker (*C. macrocheilus*), redbelt shiner (*Richardsonius balteatus*), longnose dace (*Rhinichthys cataractae*), speckled dace (*R. osculus*), shorthead sculpin (*Cottus confusus*), and mottled sculpin (*C. bairdi*). Although not detected in this study, golden trout (*O. m. aguabonita*) and grayling (*Thymallus arcticus*) have been observed in some mountain lakes on the district. A brief summary of each of these species is provided below.

Steelhead/Rainbow Trout

Steelhead/rainbow trout were widely distributed across the Middle Fork Ranger District (Appendix A, Figure 4; Appendix B, Table 2). This species was observed throughout the mainstem Middle Fork Salmon River and in every major tributary. However, this species was not observed in many headwater streams.

Cutthroat Trout

Cutthroat trout (including cutthroat trout x rainbow trout hybrids) were the most widely distributed species on the district (Appendix A, Figure 5; Appendix B, Table 2). Despite their widespread distribution, cutthroat trout were surprisingly not observed in most of the tributaries to Marsh Creek.

Hybridization between native westslope cutthroat trout (*O. c. lewisi*) and introduced Yellowstone cutthroat trout (*O. c. bouvieri*) may have occurred in some portions of the Middle Fork Ranger District.

Westslope cutthroat trout are the subspecies of cutthroat trout native to the Salmon River basin (Behnke 1992). Yellowstone cutthroat trout, which are native to the Yellowstone and upper Snake River drainages (Behnke 1992), were introduced into numerous mountain lakes on the Middle Fork Ranger District in the 1900's (Idaho Department of Fish and Game, unpublished data). It is possible that some of these fish moved out of these lakes into streams where they hybridized with the native westslope cutthroat trout.

Rainbow Trout x Cutthroat Trout Hybrids

Fish that appeared to be rainbow trout x cutthroat trout hybrids were observed in many locations. However, we relied only on physical appearance to identify these fish and we were not confident in our ability to correctly differentiate rainbow trout x cutthroat trout hybrids from cutthroat trout. Therefore, we are cautious about making conclusions relating to hybridization based on our data. Campbell and Cegelski (2003) evaluated hybridization between cutthroat trout and rainbow trout in the Middle Fork basin using genetic analysis. They found that cutthroat trout x rainbow trout hybrids were widely distributed across the basin and concluded that cutthroat trout were likely hybridizing with both native and introduced steelhead/rainbow trout.

Bull Trout

Bull trout were widely distributed across the Middle Fork Ranger District (Appendix A, Figure 6; Appendix B, Table 2). While bull trout were observed in many areas, their relative abundance was greatest in headwater streams. In some of these headwater streams, such as Feltham Creek and Shake Creek, bull trout were the only fish species observed.

Brook Trout

Brook trout had a patchy distribution across the district (Appendix A, Figure 7; Appendix B, Table 2). Brook trout were not found in many parts of the Middle Fork Ranger District but were detected in Cache Creek, Dagger Creek, Seafoam Creek, Vanity Creek, several locations in the Bear Valley Creek drainage, and numerous locations in the Marsh Creek drainage.

We are concerned about the possibility of this introduced species expanding into additional areas in the Middle Fork Salmon River watershed. Although brook trout do not occur in many areas in the Middle Fork Salmon River watershed it appears that it would be easy for brook trout to expand into additional areas. Such an expansion would likely have serious consequences for other native fish, particularly bull trout and cutthroat trout.

Brook Trout x Bull Trout Hybrids

Brook trout x bull trout hybrids had a patchy distribution on the Middle Fork Ranger District (Appendix A, Figure 8; Appendix B, Table 2). Brook trout x bull trout hybrids were observed in Bear Creek, Beaver Creek, Cape Horn Creek, Mayfield Creek, an unnamed tributary to Bear Creek, and Winnemucca Creek.

We collected fin clips from fish visually identified as brook trout x bull trout hybrids in Cape Horn Creek (Site Code 56, Site Code 57) and an unnamed tributary to Bear Creek (Site Code 284). These fish were verified to be brook trout x bull trout hybrids through genetic analysis conducted by the Idaho Department of Fish and Game Genetics Laboratory (Matt Campbell, Idaho Department of Fish and Game, personal communication).

We are uncertain about the occurrence of brook trout x bull trout hybrids in Mayfield Creek. While bull trout were found throughout the Loon Creek drainage, the only fish identified as a brook trout x bull trout hybrid anywhere in the Loon Creek drainage was a single fish measuring 205 mm that was

captured in Mayfield Creek approximately 1 km above Loon Creek (Site Code 162). The only stream in the Loon Creek drainage where brook trout were detected was Cache Creek which enters Loon Creek approximately 39 km downstream from where this fish was captured. Bull trout also occur in Cache Creek and it is possible that a brook trout x bull trout hybrid moved from that stream through Loon Creek into Mayfield Creek. Conversely, it is possible that this fish was actually a bull trout with irregular markings in the dorsal fin and was subsequently misidentified as a brook trout x bull trout hybrid.

Chinook Salmon

Chinook salmon were widely distributed across the district (Appendix A, Figure 9; Appendix B, Table 2). This species was observed throughout the mainstem Middle Fork Salmon River and in most major tributaries. However, Chinook salmon were not observed in most headwater streams.

Mountain Whitefish

Mountain whitefish were widely distributed across the Middle Fork Ranger District (Appendix A, Figure 10; Appendix B, Table 2). This species was observed throughout the mainstem Middle Fork Salmon River and in most major tributaries. However, mountain whitefish were not observed in most headwater streams. Voucher specimens of mountain whitefish were collected from Loon Creek above the Middle Fork Salmon River (Site Code 145) (Table 4).

Pacific Lamprey

Pacific lamprey appeared to have a limited distribution on the district (Appendix A, Figure 11; Appendix B, Table 2). Pacific lamprey appear confined to the Middle Fork Salmon River below Foundation Creek. However, lamprey ammocoetes, which live within stream substrates, may not be detected by routine electrofishing and snorkeling efforts. Therefore, we are cautious about making definitive conclusions relating to the distribution of lamprey based on the data collected from routine electrofishing and snorkeling efforts.

Pacific lamprey were collected at two sites during Forest Service sampling efforts. The first site was in the Middle Fork Salmon River near the mouth of Bernard Creek (Site Code 167). The other site was located on the Middle Fork Salmon River at mouth of Camas Creek (Site Code 183). Voucher specimens of Pacific lamprey were collected at both of these sites (Table 4).

The Idaho Department of Fish and Game did conduct sampling efforts in 2005 and 2006 on the Middle Fork Ranger District that specifically targeted lamprey (Idaho Department of Fish and Game, unpublished data). In 2005, they sampled 17 sites on the Middle Fork Ranger District.¹ This included 15 sites in the Middle Fork Salmon River and two sites in tributaries. They found Pacific lamprey in five of the six sites in the Middle Fork Salmon River below Silver Creek. However, they did not observe lamprey at any of the nine sites sampled upstream of Foundation Creek. Likewise, they did not observe lamprey at the single site in Mahoney Creek or the single site in Camas Creek. In 2006, the Idaho Department of Fish and Game sampled for lamprey at six sites in the Middle Fork Salmon River between Loon Creek and Brush Creek. They found lamprey at all six of these sites.

Northern Pikeminnow

Northern pikeminnow had a limited distribution on the Middle Fork Ranger District (Appendix

¹ The Idaho Department of Fish and Game sampled additional sites in the Middle Fork drainage outside of the Middle Fork Ranger District but only those sites sampled on the Middle Fork Ranger District are reported here. Additionally, in the maps and tables in the appendices of this report we only included those sites from the Idaho Department of Fish and Game lamprey sampling work where Pacific lamprey were collected and we did not include the lamprey sampling sites where lamprey were not observed. Specific information on the lamprey sampling sites where lamprey were not collected is available from the Idaho Department of Fish and Game.

A, Figure 12; Appendix B, Table 2). This species was observed at 11 locations and all of these sites were located in the Middle Fork Salmon River below Short Creek.

Suckers

Suckers had a limited distribution on the district (Appendix A, Figure 13; Appendix B, Table 2). The distribution of these fish was similar to that of Northern Pikeminnow. Suckers were observed at 12 locations and all of these sites were located in the Middle Fork Salmon River below Short Creek.

Although suckers were not identified to the species level in the field, we did collect voucher specimens of suckers at two sites (Table 4). The first voucher collection was from the Middle Fork Salmon River above Indian Creek (Site Code 166). The single sucker collected at this site was identified as a bridgelip sucker. The second voucher collection included six suckers and was from the Middle Fork Salmon River near the mouth of Bernard Creek (Site Code 167). Two of the suckers were identified as bridgelip sucker and the other four were identified as largescale sucker.

Since we relied only on voucher specimens collected at two sites to determine which sucker species were present on the district, it is possible that other species of sucker are present on the Middle Fork Ranger District but were not detected.

Redside Shiner

Redside shiner had a very limited distribution on the district (Appendix A, Figure 14; Appendix B, Table 2). Redside shiner were only found at one site. This site was located in the Middle Fork Salmon River near the mouth of Bernard Creek (Site Code 167). A single voucher specimen of this species was taken from this site (Table 4). Although redside shiner are common in the Middle Fork Salmon River downstream of the Middle Fork Ranger District (Curet et al. 2009a, Curet et al. 2009b, Esselman et al. 2007), this species is seldom observed in the Middle Fork Salmon River on the Middle Fork Ranger District.

Dace

Dace had a limited distribution on the Middle Fork Ranger District (Appendix A, Figure 15; Appendix B, Table 2). Dace were generally restricted to the Middle Fork Salmon River and the lower ends of large streams. Although dace were generally not identified to the species level in the field, we did collect voucher specimens of dace at ten sites (Table 4). These fish were later identified as longnose dace and speckled dace. Longnose dace were present at all of the voucher collection sites but speckled dace were present only at the voucher collection site in the Middle Fork Salmon River at the mouth of Bernard Creek (Site Code 167) and the voucher collection site in the Middle Fork Salmon River near Grouse Creek (Site Code 169).

Since we generally did not identify dace to the species level in the field but largely relied on voucher specimens collected at selected sites to determine which species were present on the district, it is possible that other species of dace are present on the Middle Fork Ranger District but were not detected. However, a review of dace distribution patterns in Idaho (Simpson and Wallace 1982) indicates that longnose dace and speckled dace are likely the only two dace species present on the Middle Fork Ranger District.

Sculpin

Sculpin were widely distributed across the district (Appendix A, Figure 16; Appendix B, Table 2). Sculpin were observed in a wide variety of habitats ranging from the Middle Fork Salmon River to small headwater streams such as Swamp Creek and Seafoam Creek. Although sculpin were not identified to the species level in the field, we did collect voucher specimens of sculpin at 15 sites (Table 4). The fish from 14 sites were identified to the species level. Species collected at these sites included shorthead

sculpin and mottled sculpin. Mottled sculpin were limited to the Middle Fork Salmon River while shorthead sculpin occurred both in the Middle Fork Salmon River and other streams. The sculpin collected from one site (Site Code 145) will be sent to Brigham Young University for genetic analysis. Species identifications for these fish are not available at this time.

Since we relied only on voucher specimens collected at 14 sites to determine which sculpin species were present on the district, it is possible that other species of sculpin are present on the Middle Fork Ranger District but were not detected. In particular, torrent sculpin have been observed in the upper Salmon River basin (Simpson and Wallace 1982; Salmon-Challis National Forest, unpublished data) and it is possible that this species is also present in the Middle Fork Salmon River drainage on the Middle Fork Ranger District.

We are cautious about making definitive conclusions relating to the distribution of sculpin using data collected by snorkeling. Sculpin are relatively small and live on and within stream substrates. This can make them difficult to detect using snorkeling techniques particularly in large streams. For example, sculpin were not detected in the six snorkeling sites in Rapid River upstream of the site near Garnet Creek. However, they were observed in the two electrofishing sites within this same section of river. It is likely that sculpin were actually present in many of the sites that were snorkeled but were simply not detected.

Golden Trout

Golden trout were not detected in any of the streams that were sampled. However, golden trout have been stocked in several mountain lakes on the Middle Fork Ranger District such as China Lake #2, China Lake #3, Mystery Lake #1, Mystery Lake #2, Mystery Lake #3, and Tango Lake #6 (Idaho Department of Fish and Game, unpublished stocking records). Golden trout have been observed in some of these lakes such as Mystery Lake #1 and Mystery Lake #2 (Larkin et al. 2001, Ball and Jeppson 1980). It is possible that golden trout may occasionally be found in streams near some of the lakes where they have been introduced.

Grayling

Grayling were not detected in any of the streams that were sampled. However, grayling have been stocked in several mountain lakes on the Middle Fork Ranger District such as Cache Creek Lake #1, Cache Creek Lake #3, Cache Creek Lake #5, Knapp Creek Lake #14, Martendale Lake #1, Seafoam Lake #2, Seafoam Lake #3, Seafoam Lake #4, Seafoam Lake #6, and Vanity Lake #13 (Idaho Department of Fish and Game, unpublished stocking records). Grayling have been observed in some of these lakes such as Cache Creek Lake #3 and Martendale Lake #1 (Esselman et al. 2007, Curet et al. 2009b). It is possible that grayling may occasionally be found in streams near some of the lakes where they have been introduced.

LITERATURE CITED

- Ball, K. and P. Jeppson. 1980. Regional fishery management investigations. Project F-71-R-5. Idaho Department of Fish and Game, Boise, Idaho.
- Benke, R.J. 1992. Native trout of western North America. American Fisheries Society Monograph 6. American Fisheries Society, Bethesda, Maryland.
- Campbell, M. and C. Cegelski. 2003. Native species investigations. IDFG Report Number 03-49. Idaho Department of Fish and Game, Boise, Idaho.
- Curet, T., B. Esselman, M. Biggs, and M. White. 2009a. Fishery management annual report, Salmon Region, 2008. IDFG Report Number 09-126. Idaho Department of Fish and Game, Boise, Idaho.
- Curet, T., B. Esselman, A. Brimmer, M. White, and M. Green. 2009b. Fishery management annual report, Salmon Region, 2007. IDFG Report Number 09-101. Idaho Department of Fish and Game, Boise, Idaho.
- Esselman, B., K. Andrews, T. Curet, and A. Brimmer. 2007. Fishery management annual report, Salmon Region, 2003. IDFG Report Number 05-28. Idaho Department of Fish and Game, Boise, Idaho.
- Larkin, M., A. Brimmer, T. Curet, and R.M. Andersen. 2001. Regional fisheries management investigations, Salmon Region, 2000 job performance report. IDFG Report Number 01-42. Idaho Department of Fish and Game, Boise, Idaho.
- Simpson, J.C. and R.L. Wallace. 1982. Fishes of Idaho. University of Idaho Press, Moscow, Idaho.
- Van Deventer, J.S. and W.S. Platts. 1985. A computer software system for entering, managing, and analyzing fish capture data from streams. USDA Forest Service Research Note INT-352.

APPENDICES

APPENDIX A – FIGURES

Figure 1. General overview of study area. Salmon-Challis National Forest (outline) and Middle Fork Ranger District (shaded area).

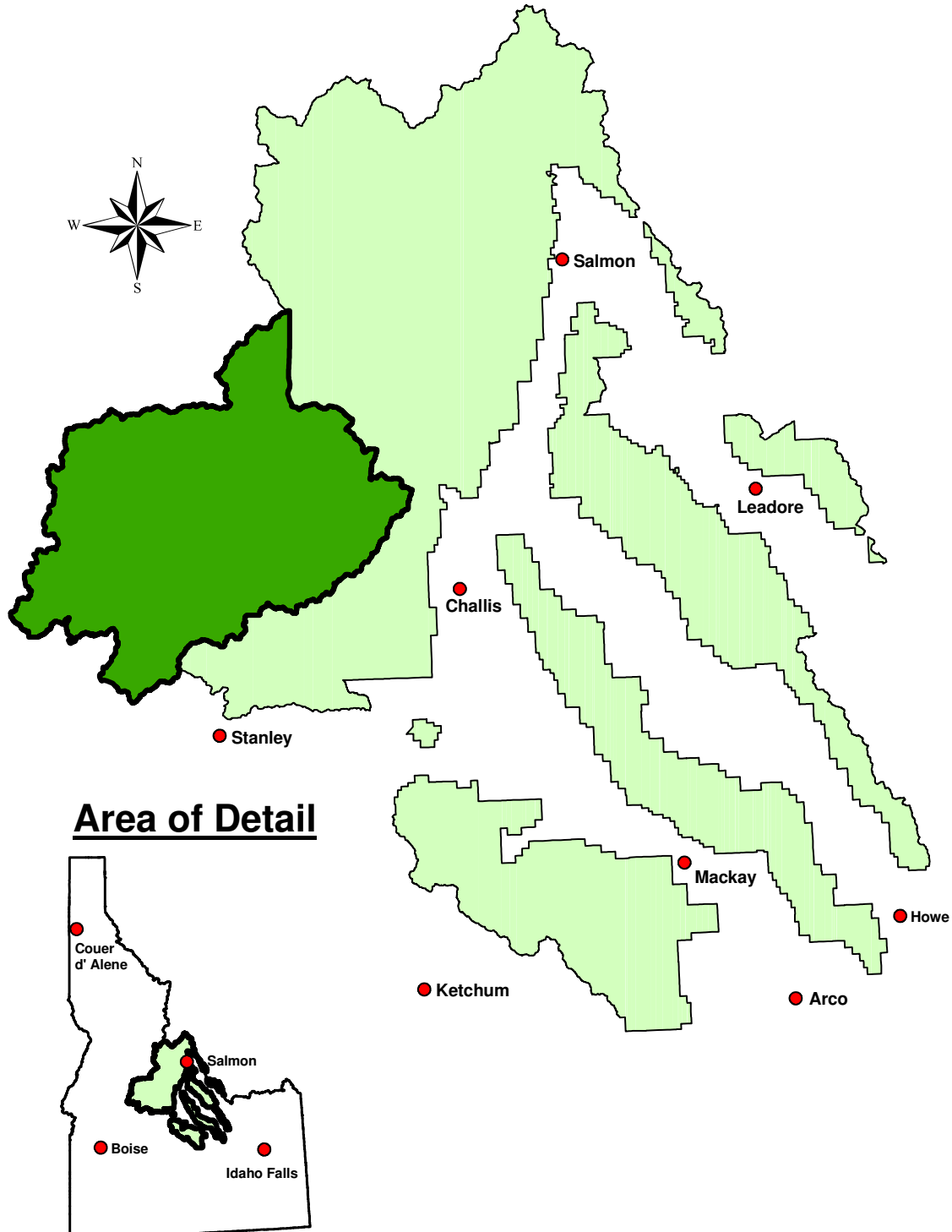


Figure 2. Priority sampling areas on the Middle Fork Ranger District, Salmon-Challis National Forest.

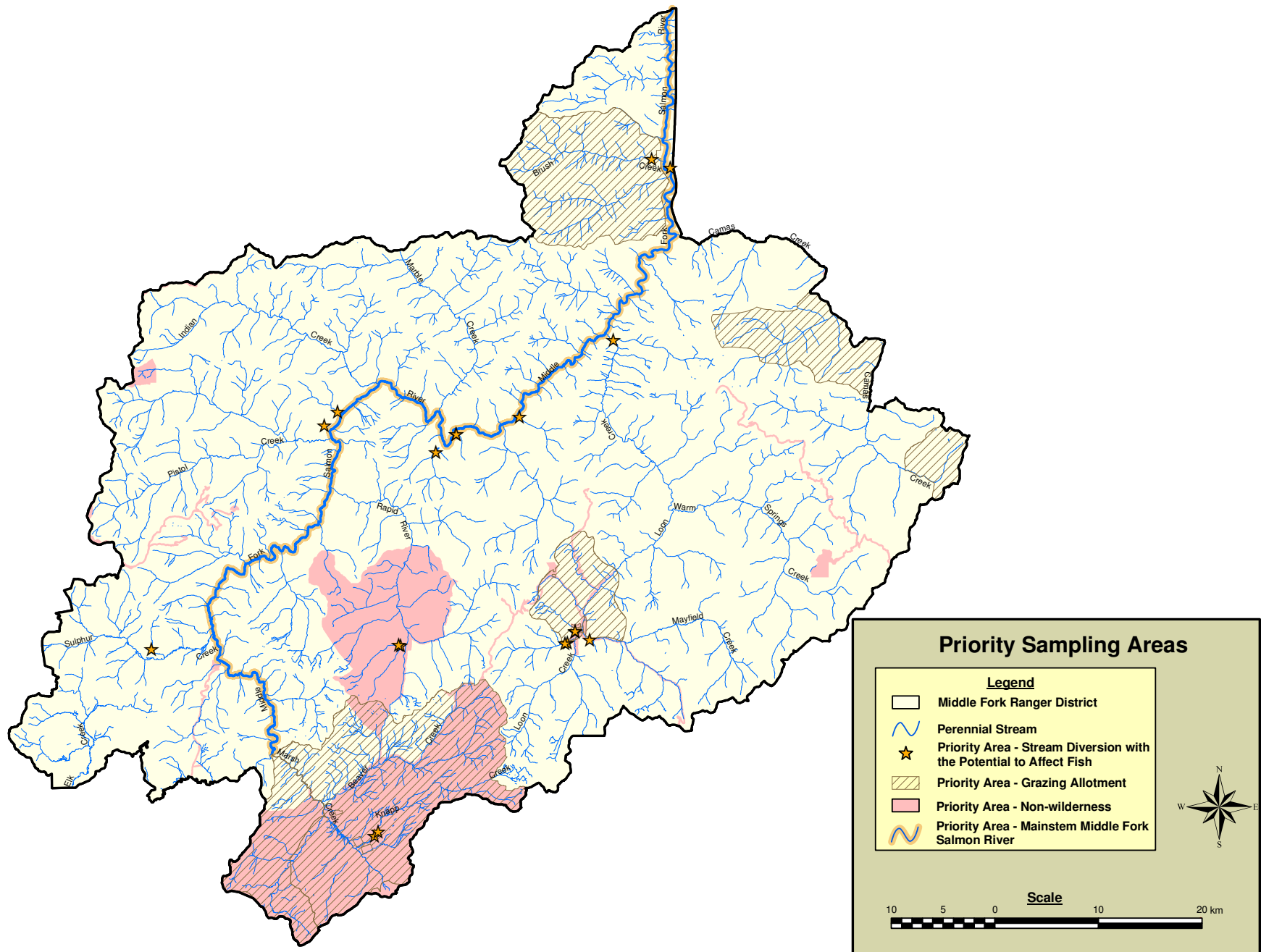


Figure 3. Sampling sites located on the Middle Fork Ranger District. The site numbers on this map correspond to the site numbers in the tables and Appendix C.



Figure 4. Steelhead/rainbow trout occurrence on the Middle Fork Ranger District. The site codes on this map correspond to the site codes in the tables and Appendix C.

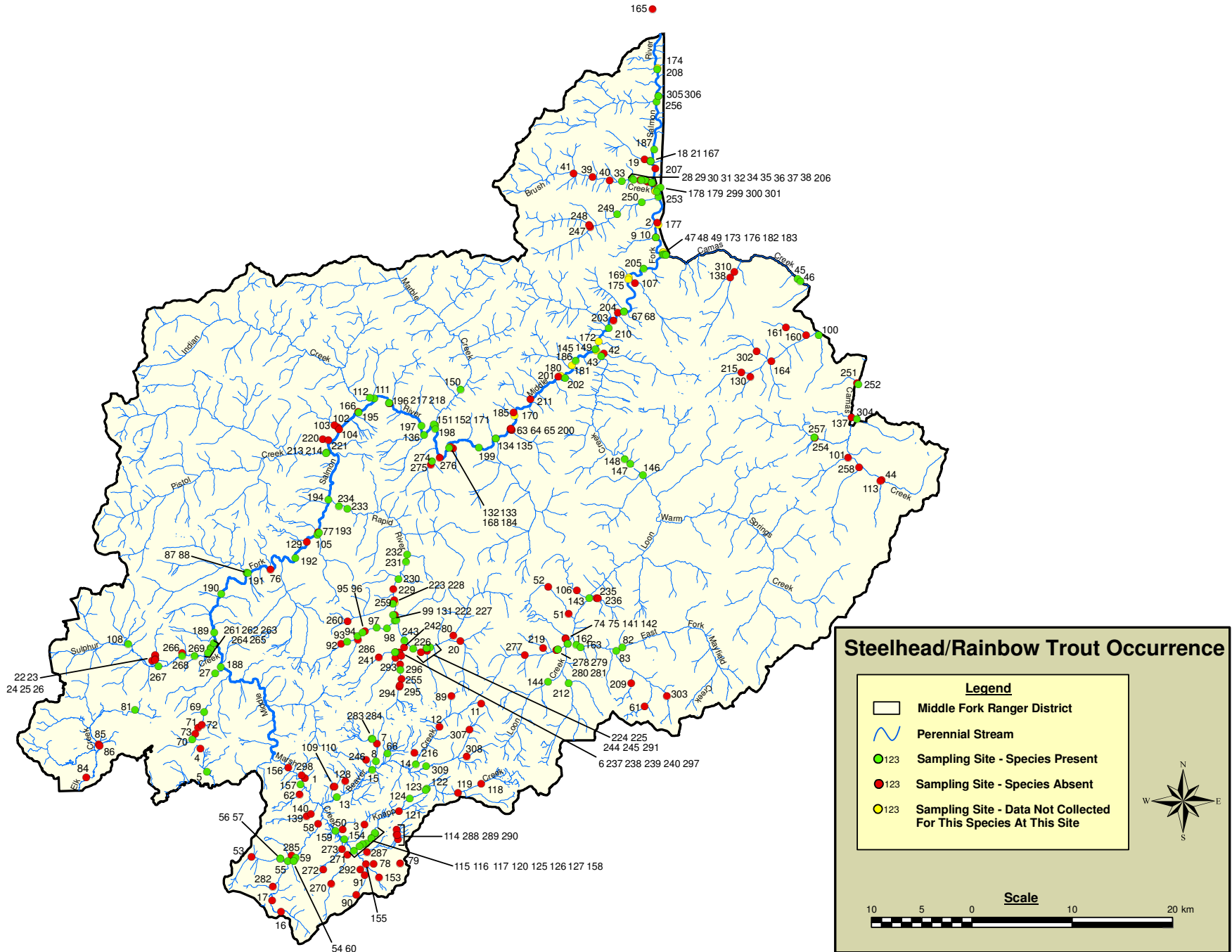


Figure 5. Cutthroat trout occurrence on the Middle Fork Ranger District. The site codes on this map correspond to the site codes in the tables and Appendix C.

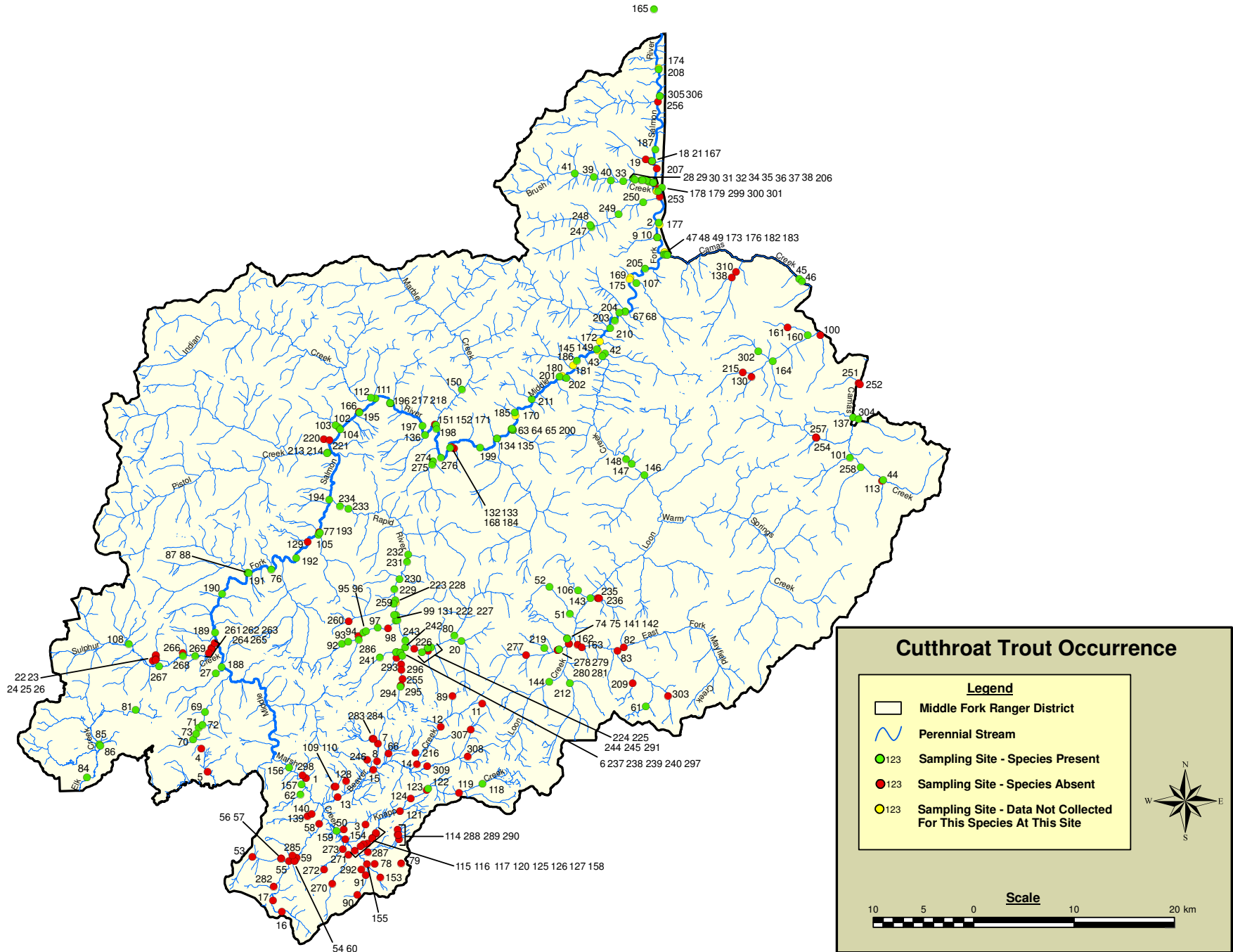


Figure 6. Bull trout occurrence on the Middle Fork Ranger District. The site codes on this map correspond to the site codes in the tables and Appendix C.

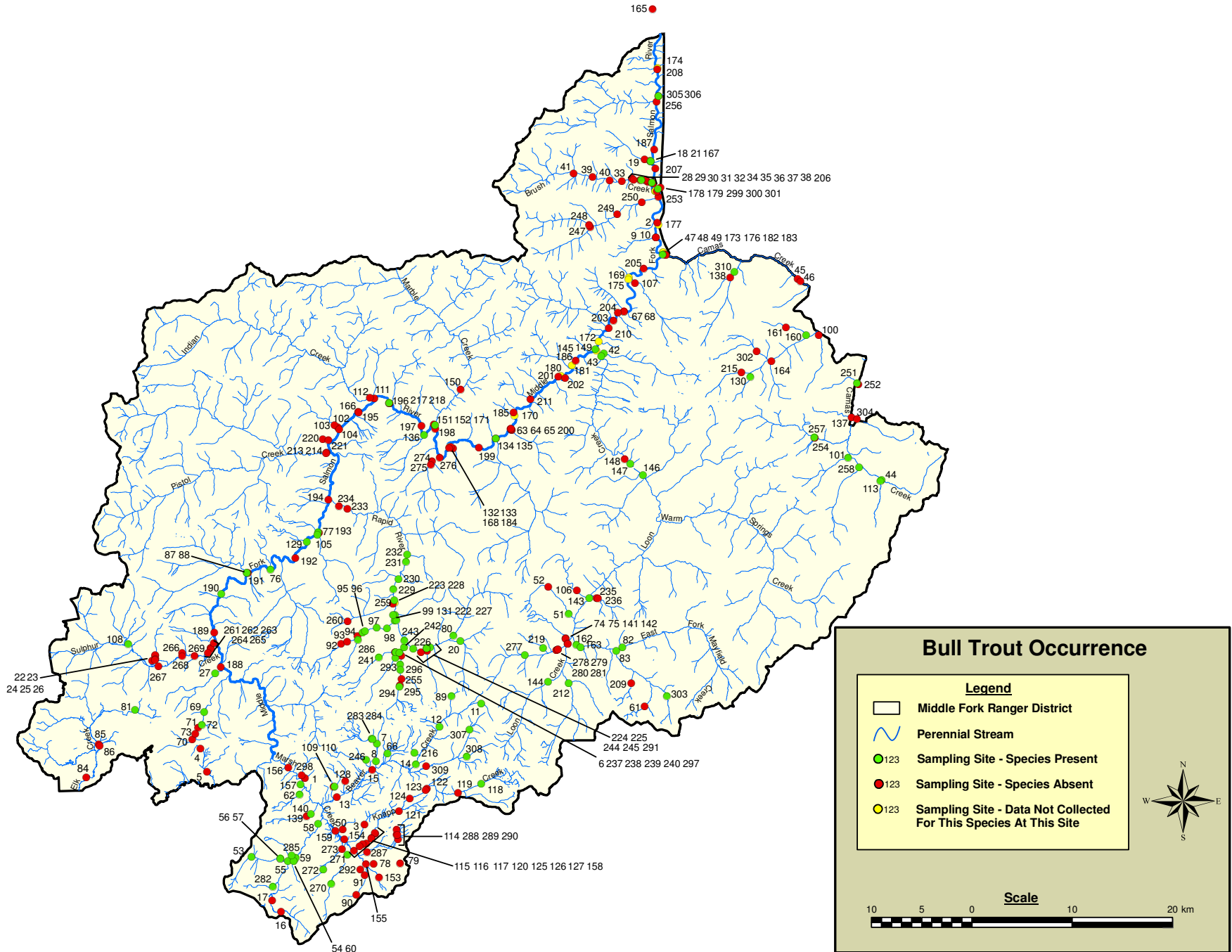


Figure 7. Brook trout occurrence on the Middle Fork Ranger District. The site codes on this map correspond to the site codes in the tables and Appendix C.

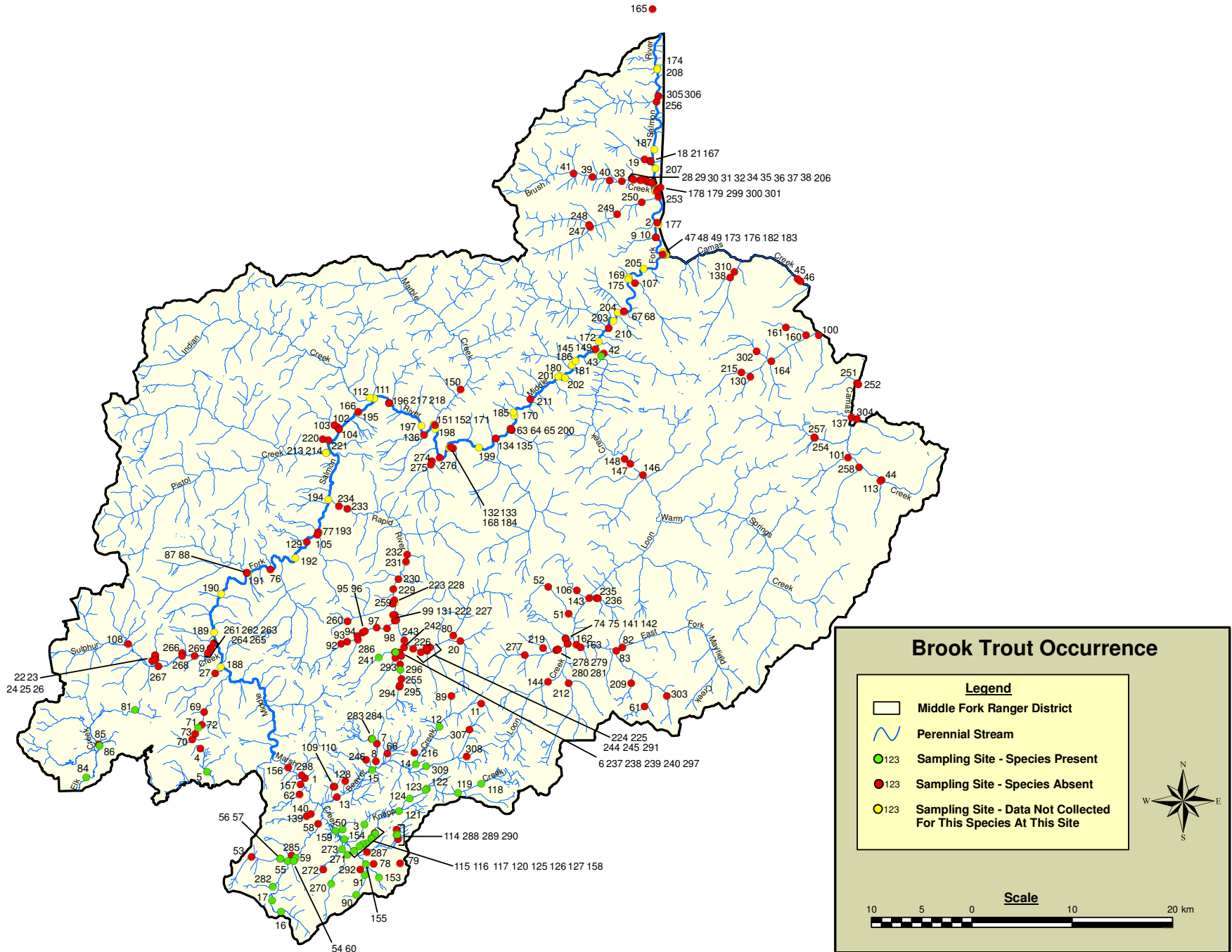


Figure 8. Brook trout x bull trout occurrence on the Middle Fork Ranger District. The site codes on this map correspond to the site codes in the tables and Appendix C.

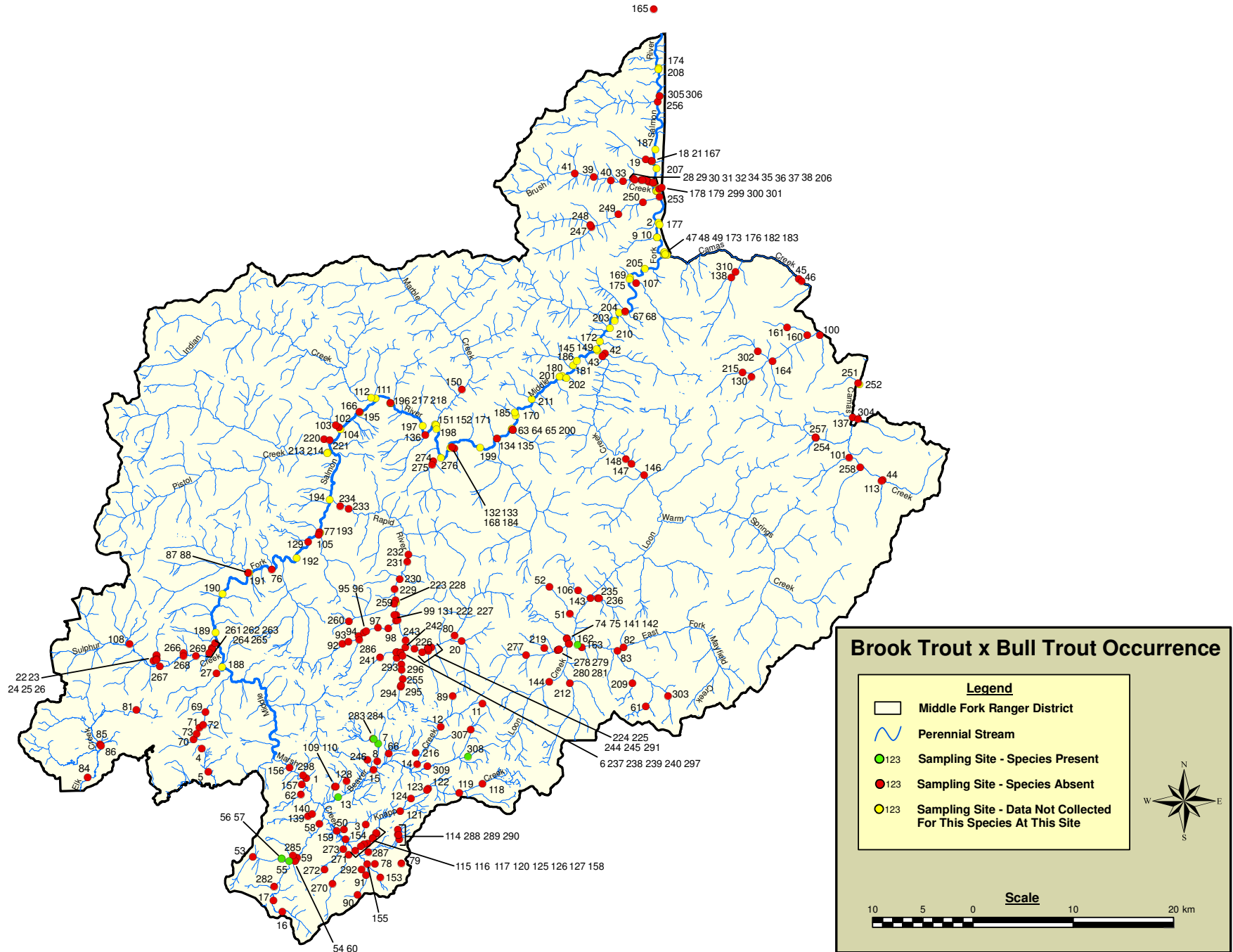


Figure 9. Chinook salmon occurrence on the Middle Fork Ranger District. The site codes on this map correspond to the site codes in the tables and Appendix C.

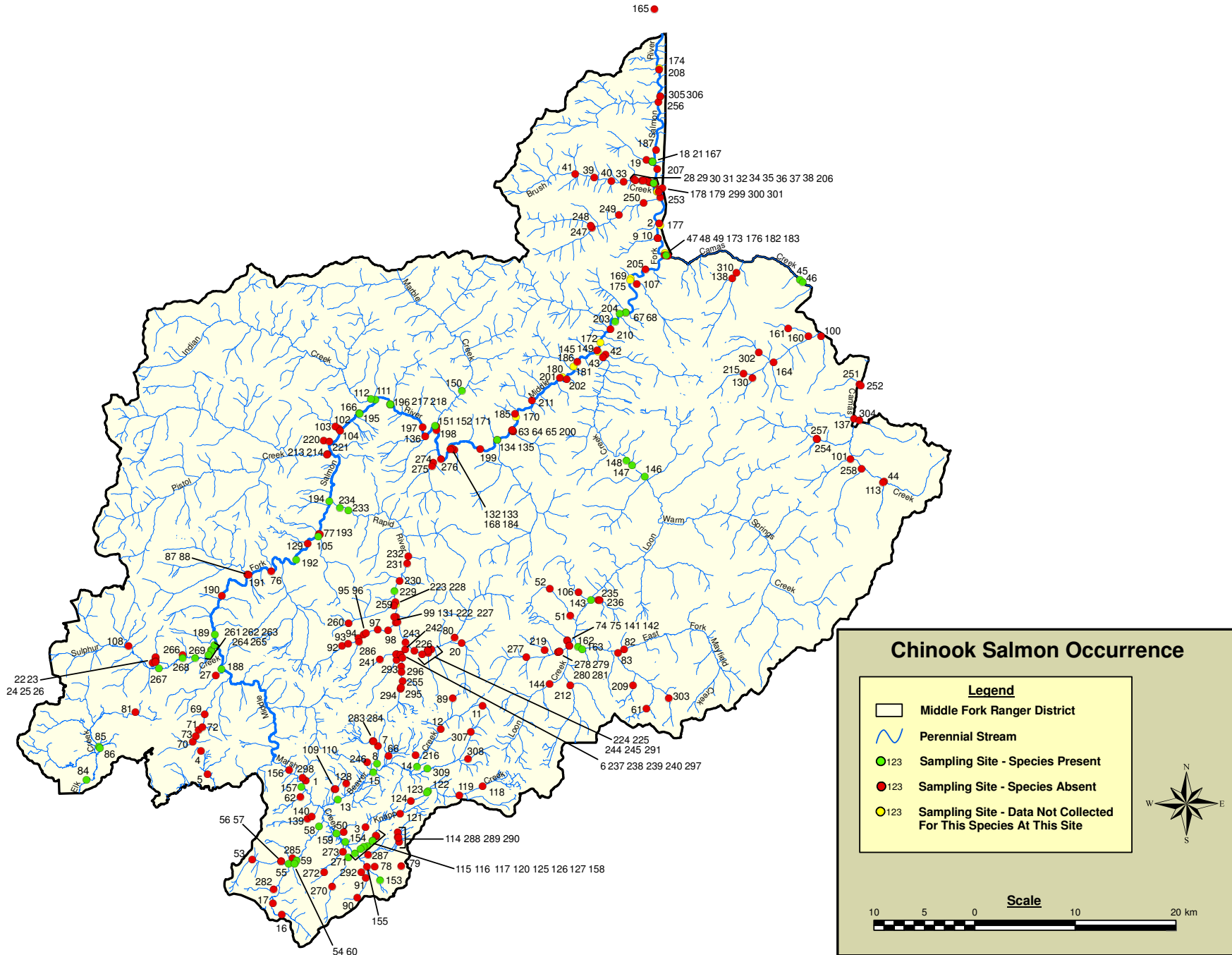


Figure 10. Mountain whitefish occurrence on the Middle Fork Ranger District. The site codes on this map correspond to the site codes in the tables and Appendix C.

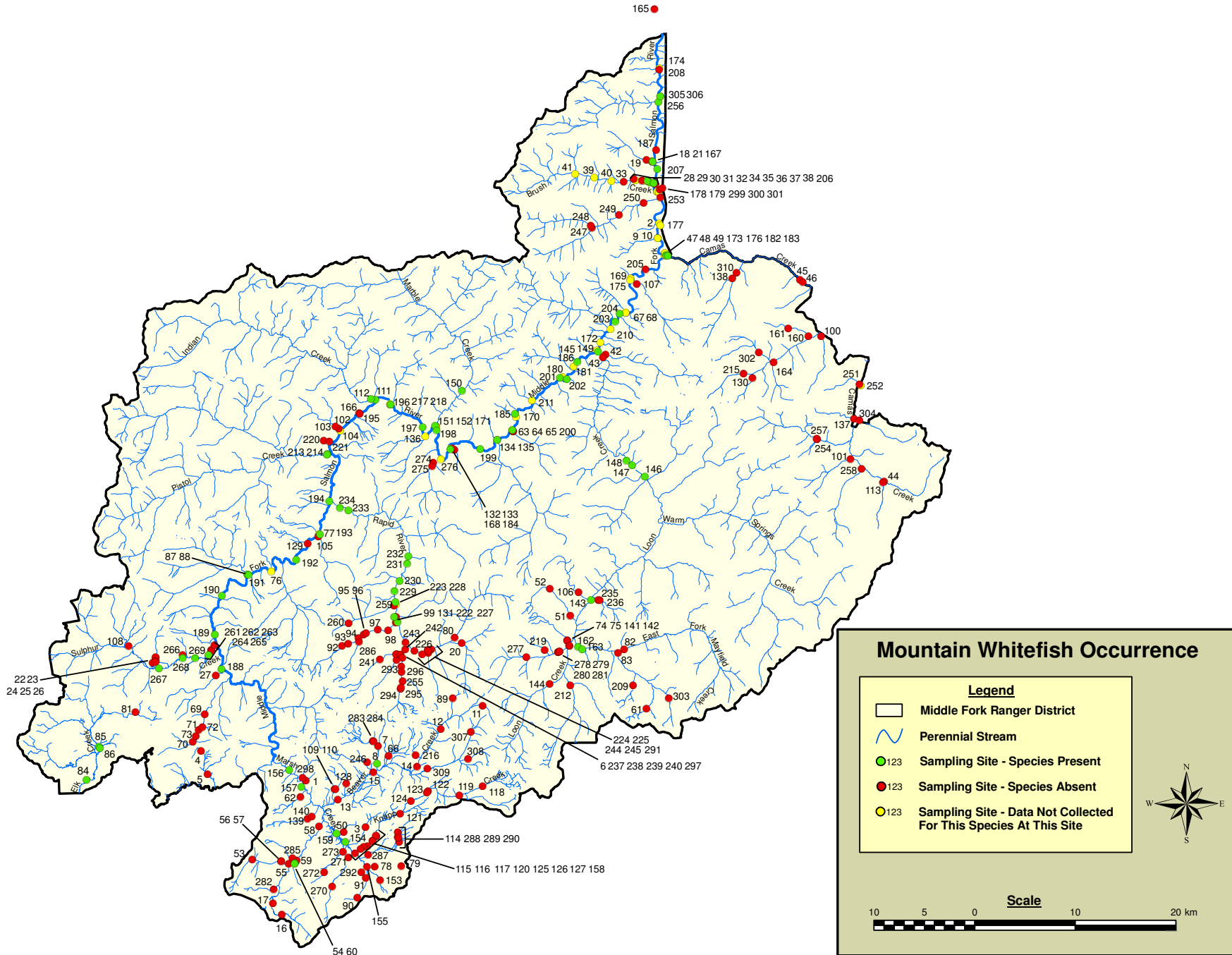


Figure 11. Pacific lamprey occurrence on the Middle Fork Ranger District. The site codes on this map correspond to the site codes in the tables and Appendix C.

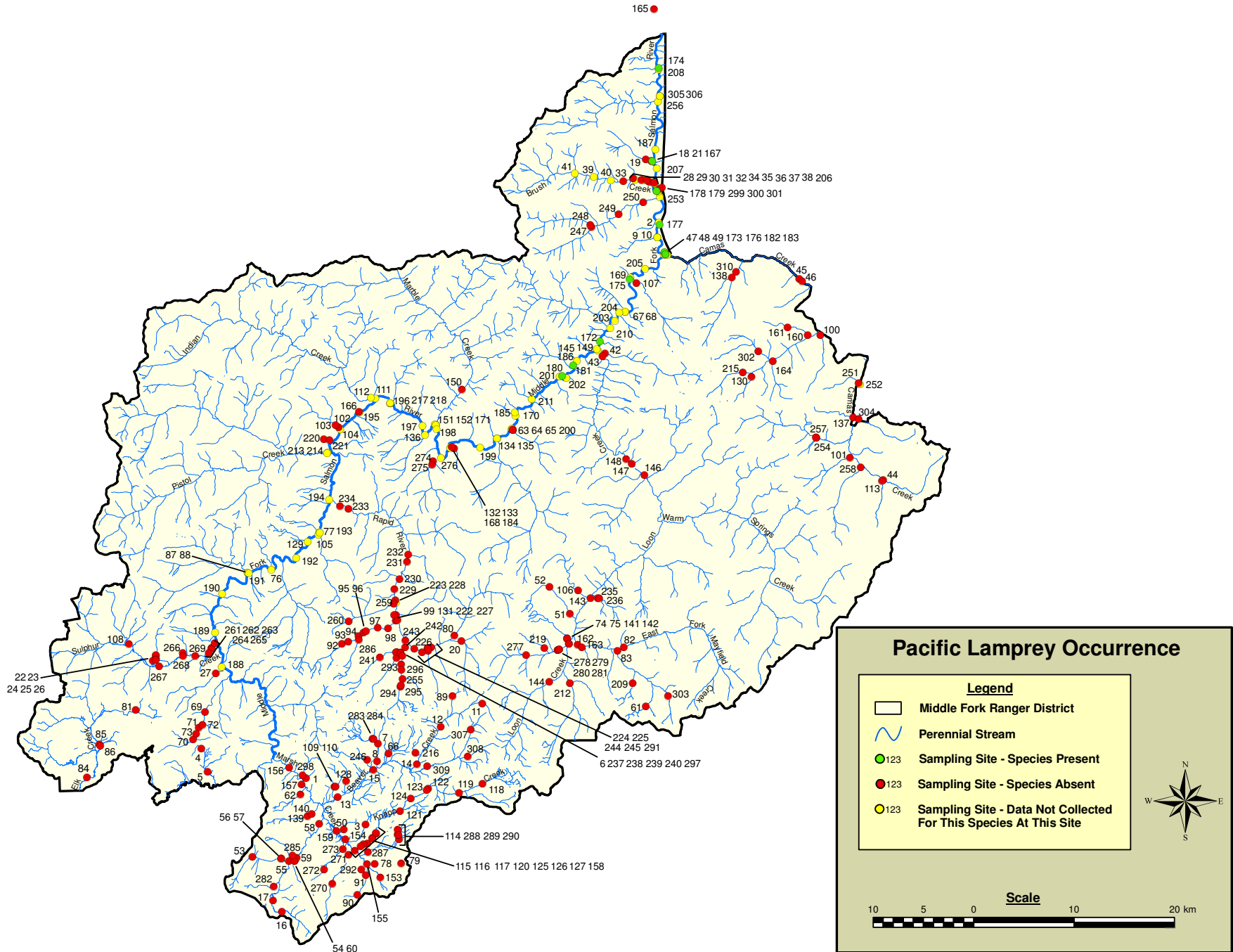


Figure 12. Northern pikeminnow occurrence on the Middle Fork Ranger District. The site codes on this map correspond to the site codes in the tables and Appendix C.

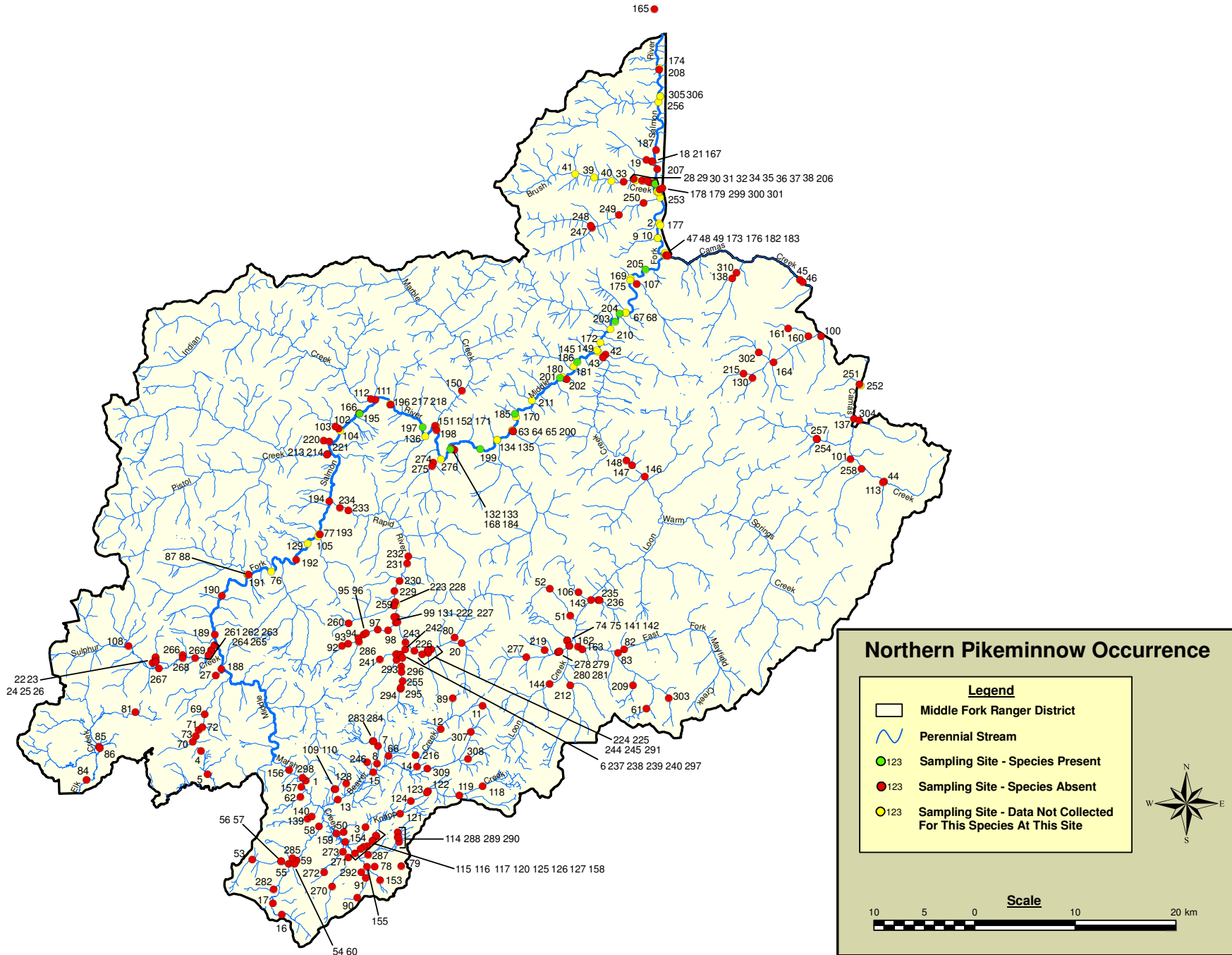


Figure 13. Sucker occurrence on the Middle Fork Ranger District. The site codes on this map correspond to the site codes in the tables and Appendix C.

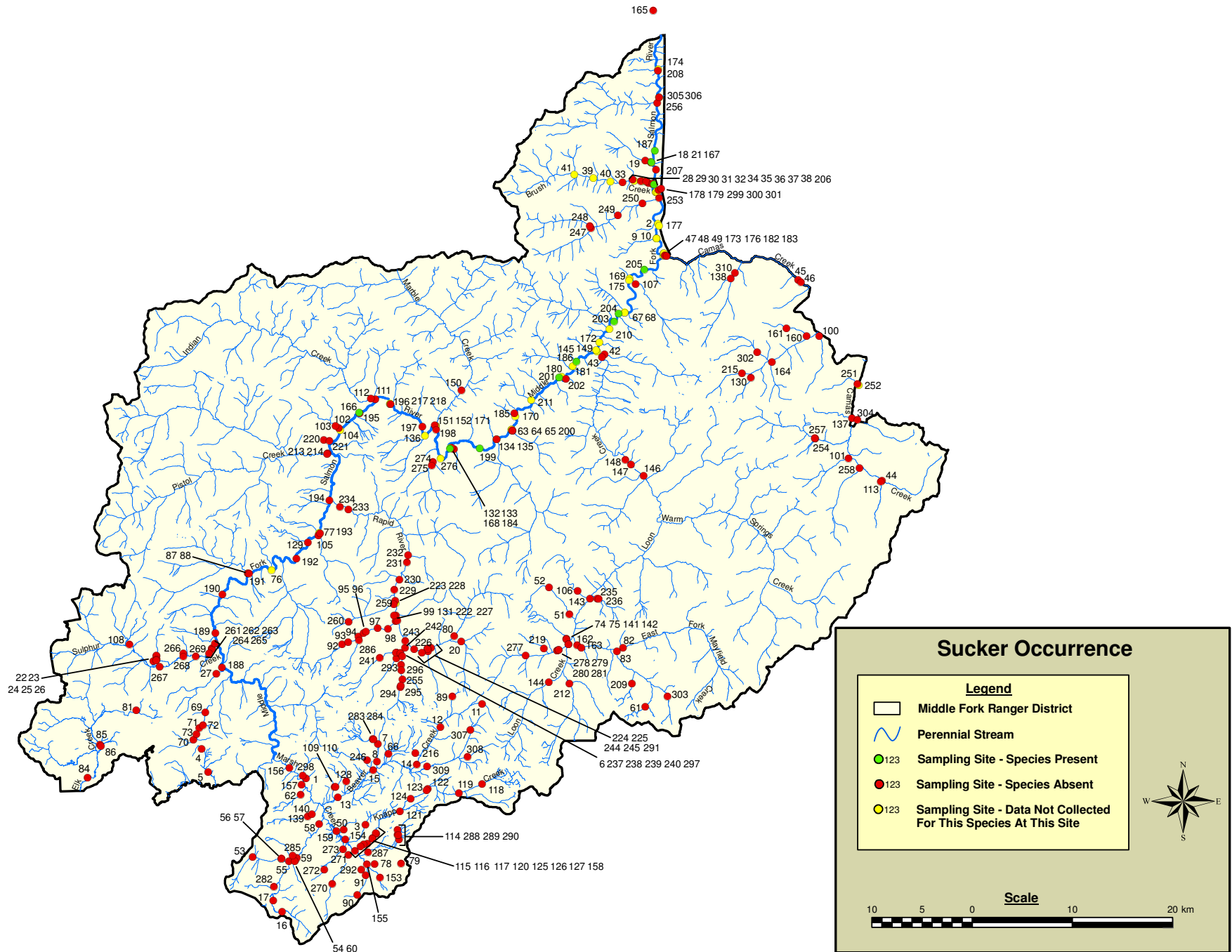


Figure 14. Redside shiner occurrence on the Middle Fork Ranger District. The site codes on this map correspond to the site codes in the tables and Appendix C.

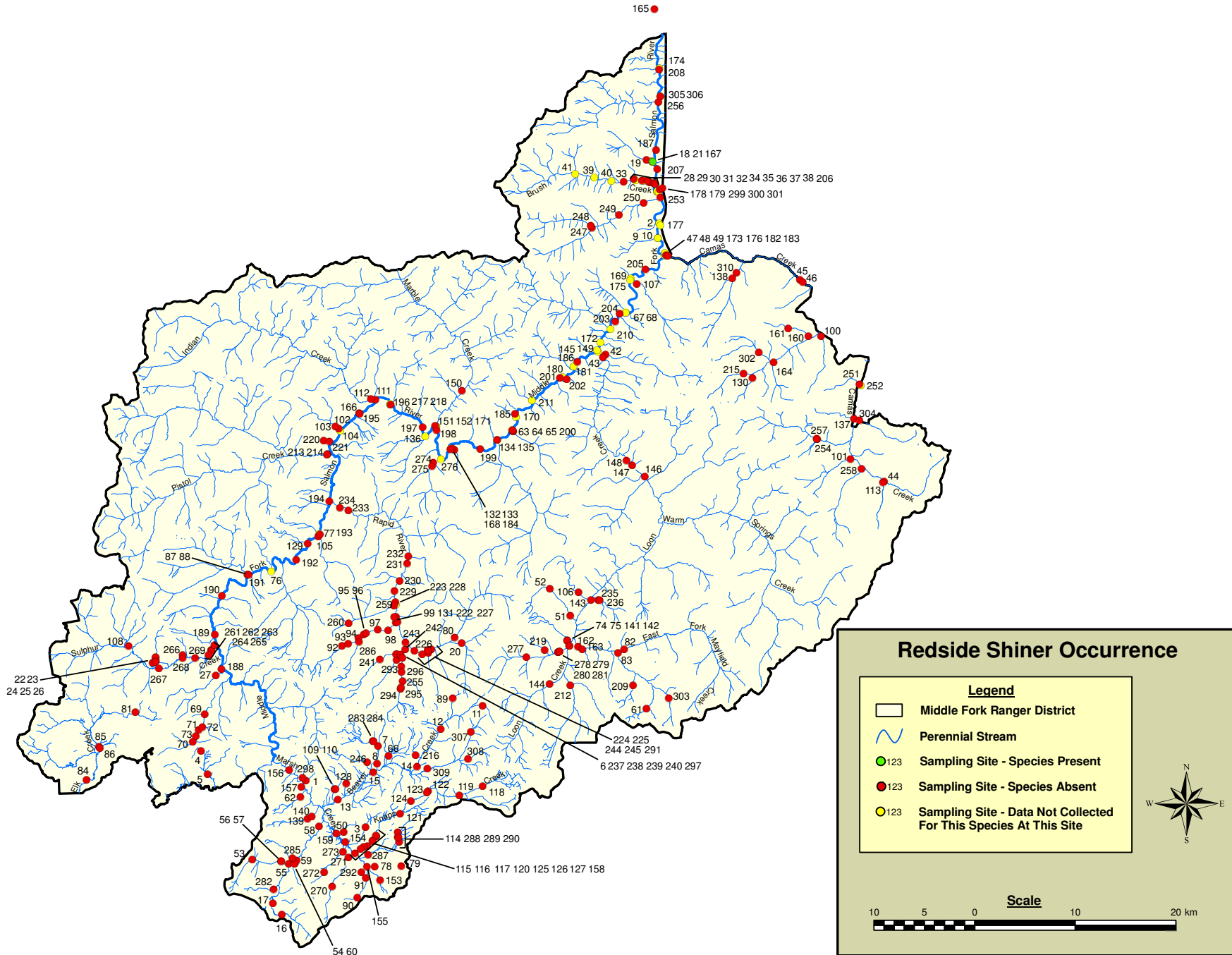


Figure 15. Dace occurrence on the Middle Fork Ranger District. The site codes on this map correspond to the site codes in the tables and Appendix C.

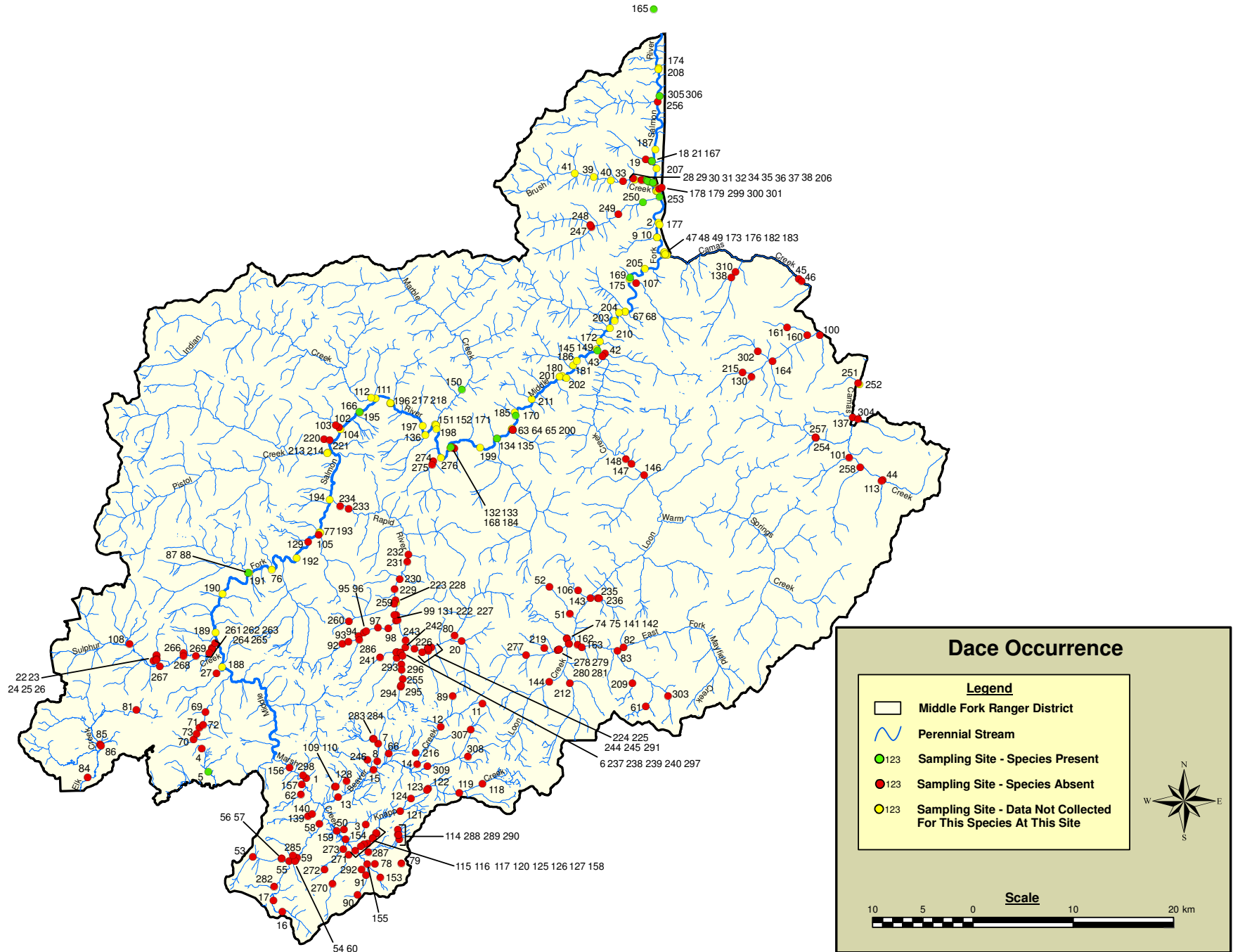
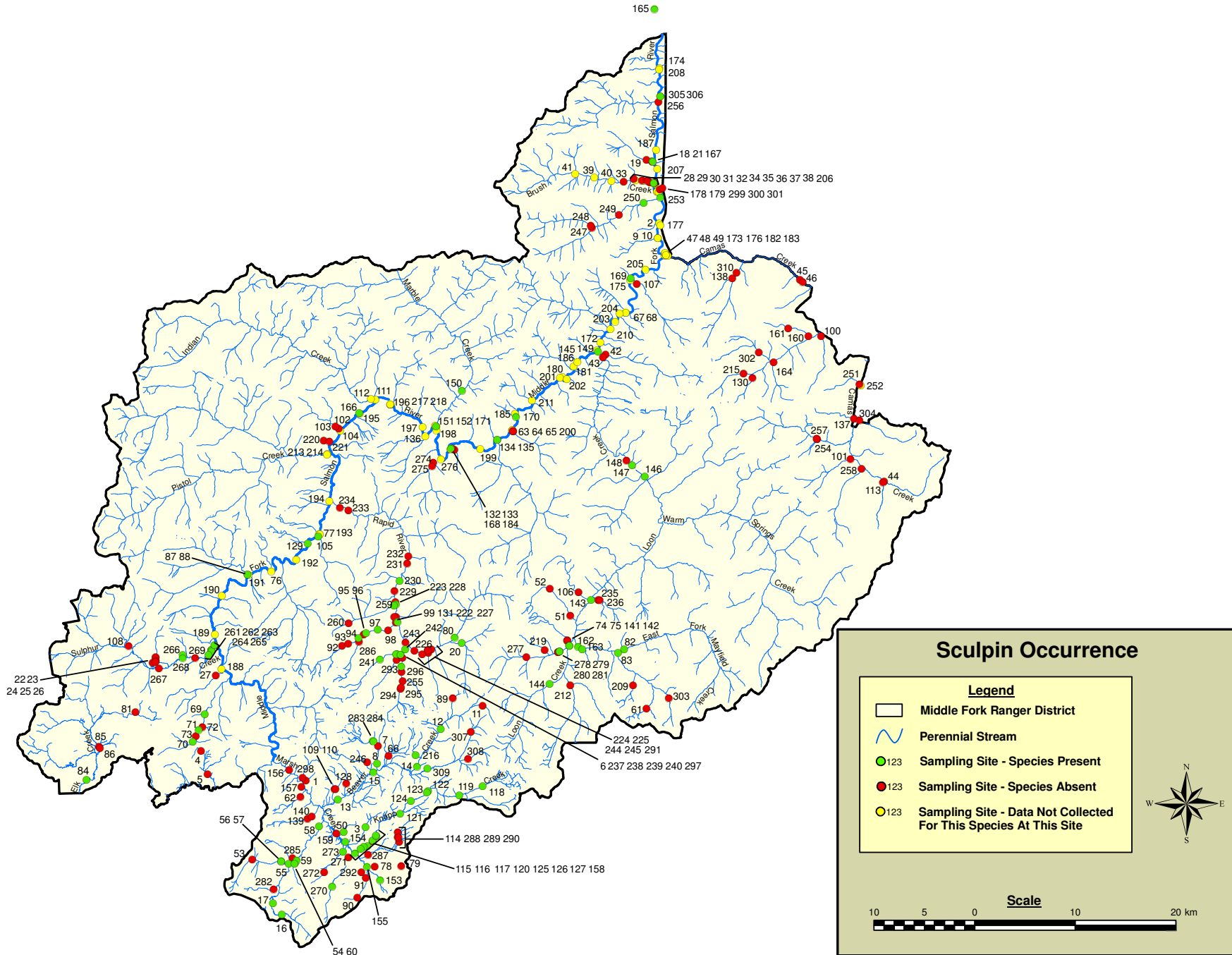


Figure 16. Sculpin occurrence on the Middle Fork Ranger District. The site codes on this map correspond to the site codes in the tables and Appendix C.



APPENDIX B – TABLES

Table 1. General description of all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.

Site Code	Stream Name	Data Source ¹	Zone	Easting	Northing	Date Assessed	Stream Type	Fish Sampling Method	Length (m)	Mean Width (m)	Water Temp (°C)	Fish Present
1	Allen Creek	SCNF	11	644116	4921120	7/13/2007	P	Visual	100	1	8.4	N
2	Aparejo Creek	IDFG-A	11	679230	4976386	7/18/2004	P	E-Fish	500	-	-	Y
3	Asher Creek	SCNF	11	650055	4916487	6/20/2007	P	E-Fish	50	2.3	12.2	Y
4	Ayers Creek	SCNF	11	633704	4924063	6/10/2008	P	E-Fish	100	1.6	8.8	N
5	Ayers Creek	SCNF	11	634346	4921737	6/10/2008	P	E-Fish	100	2.5	11.2	Y
6	Baldwin Creek	SCNF	11	653114	4933070	7/16/2008	P	E-Fish	50	3	8.3	Y
7	Bear Creek	SCNF	11	651292	4924550	7/15/2008	P	E-Fish	85	2.4	9.9	Y
8	Bear Creek	SCNF	11	651206	4922787	7/15/2008	P	E-Fish	63	3.8	9.4	Y
9	Bear Creek (Big Bear Creek)	IDFG-A	11	679101	4974936	7/18/2004	P	E-Fish	350	-	-	Y
10	Bear Creek (Big Bear Creek)	IDFG-A	11	679101	4974936	7/19/2004	P	E-Fish	-	-	-	Y
11	Beaver Creek	SCNF	11	661681	4928547	6/26/2007	P	E-Fish	50	3	8.8	Y
12	Beaver Creek	SCNF	11	657537	4926230	6/21/2007	P	E-Fish	100	7.1	6.4	Y
13	Beaver Creek	SCNF	11	647297	4919240	7/12/2007	P	E-Fish	100	21	17.1	Y
14	Beaver Creek	SCNF	11	655157	4922488	7/30/2007	P	E-Fish	89.6	10	15.5	Y
15	Beaver Creek	SCNF	11	650823	4921906	7/30/2007	P	E-Fish	100	11.6	18.5	Y
16	Bench Creek	SCNF	11	641732	4907823	7/13/2007	P	E-Fish	100	3.3	12.3	Y
17	Bench Creek	SCNF	11	640833	4908974	6/11/2008	P	E-Fish	100	5.1	1.4	Y
18	Bernard Creek	SCNF	11	678486	4982544	7/26/2006	P	E-Fish	100	2	23.9	N
19	Bernard Creek	SCNF	11	677963	4982712	7/26/2006	P	E-Fish	≈110	1.9	22.2	N
20	Bernard Creek	SCNF	11	659596	4934778	7/16/2008	P	E-Fish	50	2.9	7.7	Y
21	Bernard Creek	IDFG-A	11	678574	4982482	7/18/2004	P	E-Fish	-	-	-	Y

¹Data sources are as follows: SCNF=Salmon-Challis National Forest standard sampling site, SCNF-SV= Salmon-Challis National Forest standard sampling site with voucher specimens collected, SCNF-VO= Salmon-Challis National Forest with only voucher specimens collected, BNF=Boise National Forest, DEQ=Idaho Department of Environmental Quality beneficial use reconnaissance program (BURP) data, IDFG-A=Idaho Department of Fish and Game Salmon Region annual report, IDFG-B=Idaho Department of Fish and Game general parr monitoring (GPM) data, IDFG-C=Idaho Department of Fish and Game Salmon Region unpublished lamprey data.

Table 1 (continued). General description of all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.

Site Code	Stream Name	Data Source ¹	Zone	Easting	Northing	Date Assessed	Stream Type	Fish Sampling Method	Length (m)	Mean Width (m)	Water Temp (°C)	Fish Present
22	Blue Moon Creek	SCNF	11	629208	4933285	7/11/2006	P	Visual	≈50	-	10.6	N
23	Blue Moon Creek	SCNF	11	628883	4932795	7/11/2006	P	E-Fish	50	1.1	13.5	N
24	Blue Moon Creek	SCNF	11	629205	4933340	7/19/2007	P	E-Fish	50	2.2	8.2	N
25	Blue Moon Creek	SCNF	11	629228	4932980	7/19/2007	IE	Visual	50	1.3	11.9	N
26	Blue Moon Creek	SCNF	11	629171	4932877	7/19/2007	IE	Visual	-	-	14.6	N
27	Boundary Creek	SCNF	11	635169	4931565	7/15/2008	P	E-Fish	50	3.8	13.5	Y
28	Brush Creek	SCNF	11	677513	4980627	7/25/2006	P	E-Fish	60	10.3	21.1	Y
29	Brush Creek	SCNF	11	678276	4980455	7/27/2006	P	E-Fish	50	4.2	21.6	Y
30	Brush Creek	SCNF	11	678045	4980624	7/26/2006	P	E-Fish	56	4.7	16.1	Y
31	Brush Creek	SCNF	11	678780	4980356	11/1/2007	P	E-Fish	86	5	-	Y
32	Brush Creek	SCNF	11	676683	4980771	11/1/2007	P	E-Fish	200	5	-	Y
33	Brush Creek	SCNF	11	675701	4980507	11/1/2007	P	E-Fish	100	5	-	Y
34	Brush Creek	SCNF-VO	11	678149	4980547	7/26/2006	P	E-Fish	-	-	-	Y
35	Brush Creek	IDFG-A	11	678703	4980323	7/17/2004	P	E-Fish	-	-	-	Y
36	Brush Creek	IDFG-A	11	678689	4980354	7/9/2007	P	E-Fish	100	5.64	19	Y
37	Brush Creek	IDFG-A	11	677613	4980621	7/12/2007	P	E-Fish	100	4.62	19	Y
38	Brush Creek	IDFG-A	11	676880	4980674	7/12/2007	P	E-Fish	100	4.52	15	Y
39	Brush Creek	IDFG-A	11	672768	4980897	6/11/2007	P	E-Fish	100	4.52	16	Y
40	Brush Creek	IDFG-A	11	674479	4980609	7/11/2007	P	E-Fish	100	4.82	19	Y
41	Brush Creek	IDFG-A	11	670883	4981265	6/10/2007	P	E-Fish	100	5.64	18	Y
42	Cache Creek	SCNF	11	673868	4963359	8/14/2006	P	E-Fish	100	3.9	11.3	Y
43	Cache Creek	SCNF	11	673637	4963061	8/14/2006	P	E-Fish	100	2.9	11.7	Y

¹Data sources are as follows: SCNF=Salmon-Challis National Forest standard sampling site, SCNF-SV= Salmon-Challis National Forest standard sampling site with voucher specimens collected, SCNF-VO= Salmon-Challis National Forest with only voucher specimens collected, BNF=Boise National Forest, DEQ=Idaho Department of Environmental Quality beneficial use reconnaissance program (BURP) data, IDFG-A=Idaho Department of Fish and Game Salmon Region annual report, IDFG-B=Idaho Department of Fish and Game general parr monitoring (GPM) data, IDFG-C=Idaho Department of Fish and Game Salmon Region unpublished lamprey data.

Table 1 (continued). General description of all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.

Site Code	Stream Name	Data Source ¹	Zone	Easting	Northing	Date Assessed	Stream Type	Fish Sampling Method	Length (m)	Mean Width (m)	Water Temp (°C)	Fish Present
44	Camas Creek	SCNF	11	701559	4950788	8/8/2002	P	Snorkel	215.2	2.93	9.4	Y
45	Camas Creek	IDFG-B	11	693224	4970765	7/10/2006	P	Snorkel	40	12.7	13	Y
46	Camas Creek	IDFG-B	11	693488	4970547	7/10/2006	P	Snorkel	43	11.3	12	Y
47	Camas Creek	IDFG-A	11	679758	4973220	7/17/2004	P	E-Fish	-	-	-	Y
48	Camas Creek (Lower Site)	IDFG-A	11	679923	4973222	7/2007	P	Snorkel	68	-	-	Y
49	Camas Creek (Upper Site)	IDFG-A	11	680089	4973190	7/2007	P	Snorkel	42	-	-	Y
50	Camp Creek	SCNF	11	647891	4915993	6/28/2007	P	E-Fish	50	1	13.2	Y
51	Canyon Creek	SCNF	11	670387	4937463	6/19/2007	P	E-Fish	50	3.4	12.9	Y
52	Canyon Creek	SCNF	11	668362	4940165	6/19/2007	P	E-Fish	50	2.4	8.1	Y
53	Cape Horn Creek	SCNF	11	638800	4913307	7/12/2007	P	E-Fish	75	3.3	14.5	Y
54	Cape Horn Creek	SCNF	11	643021	4912939	7/12/2007	P	E-Fish	100	8.9	14	Y
55	Cape Horn Creek	SCNF	11	642423	4912846	8/20/2007	P	E-Fish	122	3	8.6	Y
56	Cape Horn Creek	SCNF	11	641676	4913110	8/20/2007	P	E-Fish	125	4.6	8.7	Y
57	Cape Horn Creek	SCNF	11	641667	4913102	8/20/2008	P	E-Fish	121	9.4	9.3	Y
58	Cape Horn Creek	SCNF-SV	11	645442	4916556	7/17/2008	P	E-Fish	123	9.6	10.8	Y
59	Cape Horn Creek	IDFG-B	11	643206	4913161	8/3/2006	P	Snorkel	96.4	5.8	13	Y
60	Cape Horn Creek	IDFG-B	11	643001	4912861	8/3/2006	P	Snorkel	116.2	7.9	12	Y
61	China Creek	SCNF	11	677967	4928262	6/5/2007	P	E-Fish	50	3.6	5.6	Y
62	Collie Creek	SCNF	11	643568	4919480	7/13/2007	P	E-Fish	50	3.1	10.1	Y
63	Cougar Creek	SCNF	11	664729	4955726	8/14/2006	P	E-Fish	50	1.3	9.6	Y
64	Cougar Creek	SCNF	11	664698	4955763	8/14/2006	P	E-Fish	42	1.6	9.5	Y
65	Cougar Creek	IDFG-A	11	664595	4955861	7/16/2004	P	E-Fish	-	-	-	Y

¹Data sources are as follows: SCNF=Salmon-Challis National Forest standard sampling site, SCNF-SV= Salmon-Challis National Forest standard sampling site with voucher specimens collected, SCNF-VO= Salmon-Challis National Forest with only voucher specimens collected, BNF=Boise National Forest, DEQ=Idaho Department of Environmental Quality beneficial use reconnaissance program (BURP) data, IDFG-A=Idaho Department of Fish and Game Salmon Region annual report, IDFG-B=Idaho Department of Fish and Game general parr monitoring (GPM) data, IDFG-C=Idaho Department of Fish and Game Salmon Region unpublished lamprey data.

Table 1 (continued). General description of all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.

Site Code	Stream Name	Data Source ¹	Zone	Easting	Northing	Date Assessed	Stream Type	Fish Sampling Method	Length (m)	Mean Width (m)	Water Temp (°C)	Fish Present
66	Crystal Creek	SCNF	11	652347	4923578	6/26/2007	P	E-Fish	50	3.3	11.3	Y
67	Cub Creek	IDFG-A	11	675895	4967522	7/17/2004	P	E-Fish	-	-	-	Y
68	Cub Creek	IDFG-A	11	675895	4967522	7/25/2007	P	E-Fish	80	2.45	14	Y
69	Dagger Creek	SCNF	11	634069	4927678	7/15/2008	P	E-Fish	50	4.5	13	Y
70	Dagger Creek	SCNF	11	632892	4924992	7/15/2008	P	E-Fish	50	3.3	11.5	Y
71	Dagger Creek	DEQ	11	633456	4926105	7/12/2004	P	E-Fish	130	3.47	11.8	Y
72	Dagger Creek	BNF	11	633837	4926402	7/16/2007	P	E-Fish	100	3	15.9	Y
73	Dagger Creek	BNF	11	633210	4925505	7/16/2007	P	E-Fish	100	2.35	17.4	Y
74	Deer Creek	SCNF	11	670111	4935048	6/7/2007	P	E-Fish	50	2.5	4.3	Y
75	Deer Creek	SCNF	11	670116	4934971	6/7/2007	P	E-Fish	50	2.5	4.3	Y
76	Deer Horn Creek	IDFG-A	11	640674	4941865	7/22/2007	P	E-Fish	68	1.8	-	Y
77	Dome Creek	IDFG-A	11	645433	4945556	7/23/2007	P	E-Fish	41	1.8	11	Y
78	Dry Creek	SCNF	11	650983	4912603	7/16/2008	IE	Visual	-	-	-	N
79	Dry Creek	SCNF	11	653582	4912625	7/17/2008	P	E-Fish	50	1	8.8	N
80	Duffield Creek	SCNF	11	658915	4935280	7/16/2008	P	E-Fish	50	4.4	6.6	Y
81	East Fork Elk Creek	BNF	11	627181	4927898	7/17/2007	P	E-Fish	100	3.3	16.3	Y
82	East Mayfield Creek	SCNF	11	675753	4934143	7/23/2007	P	E-Fish	64.4	8.4	14	Y
83	East Mayfield Creek	SCNF	11	675128	4933798	8/21/2007	P	E-Fish	98	-	10.1	Y
84	Elk Creek	IDFG-B	11	622335	4921207	8/10/2005	P	Snorkel	213.5	-	18	Y
85	Elk Creek	IDFG-B	11	623590	4924476	8/10/2005	P	Snorkel	184.5	8.7	16	Y
86	Elk Creek	IDFG-B	11	623670	4924341	8/10/2005	P	Snorkel	187.3	-	-	Y
87	Elkhorn Creek	IDFG-A	11	638321	4941537	7/14/2004	P	E-Fish	-	-	-	Y

¹Data sources are as follows: SCNF=Salmon-Challis National Forest standard sampling site, SCNF-SV= Salmon-Challis National Forest standard sampling site with voucher specimens collected, SCNF-VO= Salmon-Challis National Forest with only voucher specimens collected, BNF=Boise National Forest, DEQ=Idaho Department of Environmental Quality beneficial use reconnaissance program (BURP) data, IDFG-A=Idaho Department of Fish and Game Salmon Region annual report, IDFG-B=Idaho Department of Fish and Game general parr monitoring (GPM) data, IDFG-C=Idaho Department of Fish and Game Salmon Region unpublished lamprey data.

Table 1 (continued). General description of all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.

Site Code	Stream Name	Data Source ¹	Zone	Easting	Northing	Date Assessed	Stream Type	Fish Sampling Method	Length (m)	Mean Width (m)	Water Temp (°C)	Fish Present
88	Elkhorn Creek	IDFG-A	11	638321	4941537	7/22/2007	P	E-Fish	72	5	15	Y
89	Feltham Creek	SCNF	11	658702	4929251	6/21/2007	P	E-Fish	100	2.1	5.1	Y
90	Flat Creek	SCNF	11	649239	4909536	6/21/2007	P	E-Fish	100	1.3	10.2	Y
91	Flat Creek	SCNF	11	650090	4911467	7/17/2008	P	E-Fish	76	1.2	12.3	Y
92	Float Creek	IDFG-C	11	647709	4934478	8/7/2008	P	Snorkel	74.3	4.02	-	Y
93	Float Creek	IDFG-C	11	648332	4934698	8/7/2008	P	Snorkel	69.9	2.52	-	Y
94	Float Creek	IDFG-C	11	649354	4935244	8/7/2008	P	Snorkel	79.2	3.5	-	Y
95	Float Creek	IDFG-C	11	649860	4935612	8/7/2008	P	Snorkel	82.9	3.56	-	Y
96	Float Creek	IDFG-C	11	650099	4935752	8/7/2008	P	Snorkel	86	4.74	-	Y
97	Float Creek	IDFG-C	11	651275	4936068	8/7/2008	P	Snorkel	73.2	5.6	-	Y
98	Float Creek	IDFG-C	11	652304	4936023	8/7/2008	P	Snorkel	80.6	4.84	-	Y
99	Float Creek	IDFG-C	11	653061	4936796	8/8/2008	P	Snorkel	55.3	4.26	-	Y
100	Flume Creek	SCNF	11	695343	4965169	8/2/2002	P	Snorkel	130.6	1.8	9.4	Y
101	Fly Creek	SCNF	11	698258	4952975	8/8/2002	P	Snorkel	78.8	2.69	8.9	Y
102	Garden Creek	SCNF	11	647368	4956008	7/6/2007	P	E-Fish	50	2.1	16.1	Y
103	Garden Creek	SCNF	11	647081	4956242	7/6/2007	P	E-Fish	50	2.1	17.8	Y
104	Garden Creek	IDFG-A	11	647519	4955849	7/15/2004	P	E-Fish	-	-	-	Y
105	Greyhound	IDFG-A	11	645375	4945333	7/23/2007	P	E-Fish	159	5.36	11	Y
106	Grouse Creek	SCNF	11	671219	4939821	6/7/2007	P	E-Fish	50	3.2	8.3	Y
107	Grouse Creek	SCNF	11	677009	4970375	7/8/2007	P	E-Fish	50	3.5	13.4	Y
108	Halfmoon Creek	BNF	11	626508	4934425	7/18/2007	P	E-Fish	100	1.68	14.3	Y
109	Halstead Creek	SCNF	11	646958	4920257	6/28/2007	P	E-Fish	50	1.5	8.3	N

¹Data sources are as follows: SCNF=Salmon-Challis National Forest standard sampling site, SCNF-SV= Salmon-Challis National Forest standard sampling site with voucher specimens collected, SCNF-VO= Salmon-Challis National Forest with only voucher specimens collected, BNF=Boise National Forest, DEQ=Idaho Department of Environmental Quality beneficial use reconnaissance program (BURP) data, IDFG-A=Idaho Department of Fish and Game Salmon Region annual report, IDFG-B=Idaho Department of Fish and Game general parr monitoring (GPM) data, IDFG-C=Idaho Department of Fish and Game Salmon Region unpublished lamprey data.

Table 1 (continued). General description of all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.

Site Code	Stream Name	Data Source ¹	Zone	Easting	Northing	Date Assessed	Stream Type	Fish Sampling Method	Length (m)	Mean Width (m)	Water Temp (°C)	Fish Present
110	Halstead Creek	SCNF	11	647076	4920270	6/28/2007	P	E-Fish	50	1.5	7.2	Y
111	Indian Creek	IDFG-A	11	651035	4958895	7/2007	P	Snorkel	72	-	-	Y
112	Indian Creek	IDFG-A	11	650587	4958946	7/2007	P	Snorkel	50	-	-	Y
113	J Fell Creek	SCNF	11	701466	4950668	8/8/2002	P	Snorkel	101.5	3.45	6.1	Y
114	Kelly Creek	SCNF	11	653395	4915037	7/17/2008	IE	Visual	-	-	-	N
115	Knapp Creek	SCNF	11	650732	4915170	6/20/2007	P	E-Fish	112	7.1	17.1	Y
116	Knapp Creek	SCNF	11	651120	4915589	6/20/2007	P	E-Fish	50	6.6	16.9	Y
117	Knapp Creek	SCNF	11	651078	4915657	6/20/2007	P	E-Fish	50	5.1	16.9	Y
118	Knapp Creek	SCNF	11	661698	4920571	6/26/2007	P	E-Fish	50	4.3	14.1	Y
119	Knapp Creek	SCNF-SV	11	659391	4919651	6/26/2007	P	E-Fish	50	7.2	13.1	Y
120	Knapp Creek	SCNF	11	650223	4914643	7/12/2007	P	E-Fish	100	4.3	15.5	Y
121	Knapp Creek	SCNF	11	653489	4917839	7/30/2007	P	E-Fish	100	5.7	19	Y
122	Knapp Creek	IDFG-B	11	656285	4920090	8/9/2006	P	Snorkel	84	-	14	Y
123	Knapp Creek	IDFG-B	11	656154	4919913	8/9/2006	P	Snorkel	112	-	12	Y
124	Knapp Creek	IDFG-B	11	654570	4919102	8/9/2006	P	Snorkel	84	-	13.5	Y
125	Knapp Creek	IDFG-B	11	650736	4915109	8/3/2006	P	Snorkel	114.9	-	18	Y
126	Knapp Creek	IDFG-B	11	649877	4914549	8/3/2006	P	Snorkel	86.1	-	17	Y
127	Knapp Creek	IDFG-B	11	649571	4914347	8/3/2006	P	Snorkel	79.3	-	17	Y
128	Laidlow Creek	SCNF	11	648119	4920801	6/27/2007	P	E-Fish	50	1.4	11.2	N
129	Lake Creek	IDFG-A	11	644315	4944656	7/22/2007	P	E-Fish	52	2.03	13	Y
130	Liberty Creek	SCNF	11	688477	4961044	8/21/2002	P	Snorkel	112.5	2.37	8.3	Y
131	Lime Creek	SCNF	11	653076	4937346	7/17/2008	P	E-Fish	50	2.6	8.4	Y

¹Data sources are as follows: SCNF=Salmon-Challis National Forest standard sampling site, SCNF-SV= Salmon-Challis National Forest standard sampling site with voucher specimens collected, SCNF-VO= Salmon-Challis National Forest with only voucher specimens collected, BNF=Boise National Forest, DEQ=Idaho Department of Environmental Quality beneficial use reconnaissance program (BURP) data, IDFG-A=Idaho Department of Fish and Game Salmon Region annual report, IDFG-B=Idaho Department of Fish and Game general parr monitoring (GPM) data, IDFG-C=Idaho Department of Fish and Game Salmon Region unpublished lamprey data.

Table 1 (continued). General description of all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.

Site Code	Stream Name	Data Source ¹	Zone	Easting	Northing	Date Assessed	Stream Type	Fish Sampling Method	Length (m)	Mean Width (m)	Water Temp (°C)	Fish Present
132	Little Creek	SCNF	11	658887	4953909	8/1/2007	P	E-Fish	50	1.4	12	N
133	Little Creek	SCNF	11	658628	4954035	8/1/2007	P	E-Fish	50	1.1	12	N
134	Little Loon Creek	IDFG-A	11	663122	4954928	7/16/2004	P	E-Fish	-	-	-	Y
135	Little Loon Creek	IDFG-A	11	663122	4954928	7/24/2007	P	E-Fish	60	6.12	12	Y
136	Little Soilder Creek	IDFG-A	11	655974	4955267	7/24/2007	P	E-Fish	36	2.38	12.5	Y
137	Little White Goat Creek	SCNF	11	698588	4957018	8/6/2002	P	Snorkel	52.8	1.49	12.2	Y
138	Little Woodtick Creek	SCNF	11	686491	4970892	7/30/2002	P	Snorkel	53.6	1.29	11.1	N
139	Lola Creek	SCNF	11	644297	4917322	6/28/2007	P	E-Fish	100	3.1	6.2	N
140	Lola Creek	SCNF	11	644691	4917540	6/28/2007	P	E-Fish	50	3.8	6.8	Y
141	Loon Creek	SCNF	11	670303	4934444	6/5/2007	P	E-Fish	50	15.6	6.9	Y
142	Loon Creek	SCNF	11	670303	4934444	6/5/2007	P	E-Fish	45	12.6	7	Y
143	Loon Creek	SCNF	11	672451	4939059	7/24/2007	P	E-Fish	110	13.6	14	Y
144	Loon Creek	SCNF	11	668336	4930698	7/24/2007	P	E-Fish	50	6.2	11	Y
145	Loon Creek	SCNF-VO	11	673162	4963646	8/14/2006	P	E-Fish	-	-	-	Y
146	Loon Creek	IDFG-B	11	677799	4951257	8/31/2005	P	Snorkel	58	17.2	16	Y
147	Loon Creek	IDFG-B	11	676528	4952380	8/31/2005	P	Snorkel	120	17.4	14	Y
148	Loon Creek	IDFG-B	11	675978	4952842	8/31/2005	P	Snorkel	68.2	12.9	12.5	Y
149	Loon Creek	IDFG-A	11	673077	4963775	7/22/2004	P	E-Fish	-	-	-	Y
150	Marble Creek	SCNF-SV	11	659633	4959791	8/2/2007	P	E-Fish	100	11.8	14	Y
151	Marble Creek	IDFG-A	11	657061	4956198	7/16/2004	P	E-Fish	-	-	-	Y
152	Marble Creek	IDFG-A	11	656956	4956308	7/14/2005	P	Snorkel	64	11.94	13	Y
153	Marsh Creek	SCNF	11	651507	4911233	6/25/2007	P	E-Fish	84	2.1	15	Y

¹Data sources are as follows: SCNF=Salmon-Challis National Forest standard sampling site, SCNF-SV= Salmon-Challis National Forest standard sampling site with voucher specimens collected, SCNF-VO= Salmon-Challis National Forest with only voucher specimens collected, BNF=Boise National Forest, DEQ=Idaho Department of Environmental Quality beneficial use reconnaissance program (BURP) data, IDFG-A=Idaho Department of Fish and Game Salmon Region annual report, IDFG-B=Idaho Department of Fish and Game general parr monitoring (GPM) data, IDFG-C=Idaho Department of Fish and Game Salmon Region unpublished lamprey data.

Table 1 (continued). General description of all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.

Site Code	Stream Name	Data Source ¹	Zone	Easting	Northing	Date Assessed	Stream Type	Fish Sampling Method	Length (m)	Mean Width (m)	Water Temp (°C)	Fish Present
154	Marsh Creek	SCNF	11	648043	4915063	7/12/2007	P	E-Fish	100	7.6	14.1	Y
155	Marsh Creek	SCNF-SV	11	650188	4912543	7/17/2008	P	E-Fish	72	2	15.2	Y
156	Marsh Creek	IDFG-B	11	642470	4922142	8/4/2006	P	Snorkel	94.3	24.2	9	Y
157	Marsh Creek	IDFG-B	11	643705	4920492	8/4/2006	P	Snorkel	222	16.3	12	Y
158	Marsh Creek	IDFG-B	11	648985	4913884	8/3/2006	P	Snorkel	141.5	-	14	Y
159	Marsh Creek	IDFG-B	11	647155	4915886	8/3/2006	P	Snorkel	272	-	14	Y
160	Martindale Creek	SCNF	11	694046	4965191	8/20/2002	P	Snorkel	92	1.68	9.4	Y
161	Martindale Creek	SCNF	11	692059	4965984	8/20/2002	P	Snorkel	43.3	2.33	8.9	N
162	Mayfield Creek	SCNF	11	671180	4934359	7/23/2007	P	E-Fish	50	10.6	14	Y
163	Mayfield Creek	SCNF	11	671572	4934146	7/23/2007	P	E-Fish	50	11.7	14	Y
164	Melville Creek	SCNF	11	690595	4962594	8/21/2002	P	Snorkel	85.6	1.91	9.4	Y
165	Middle Fork Salmon River	SCNF-SV	11	678760	4997598	7/10/2007	P	E-Fish	200	-	19.4	Y
166	Middle Fork Salmon River	SCNF-SV	11	649422	4957576	7/6/2007	P	E-Fish	100	-	17.3	Y
167	Middle Fork Salmon River	SCNF	11	678573	4982486	7/27/2006	P	E-Fish	350	-	23.3	Y
168	Middle Fork Salmon River (Above Little Creek)	SCNF-VO	11	658541	4954005	8/3/2007	P	E-Fish	-	-	-	Y
169	Middle Fork Salmon River (near Grouse Creek)	SCNF-VO	11	676413	4970939	7/8/2007	P	E-Fish	-	-	-	Y
170	Middle Fork Salmon River (Mahoney Camp Site)	SCNF-VO	11	664995	4957193	7/7/2007	P	E-Fish	-	-	-	Y
171	Middle Fork Salmon River (Marble Creek)	SCNF-VO	11	657037	4956234	8/2/2007	P	E-Fish	-	-	-	Y
172	Middle Fork Salmon River (MFSa 1)	IDFG-C	11	673397	4964577	10/24/06	P	E-Fish	-	-	-	Y
173	Middle Fork Salmon River (MFSa 10a)	IDFG-C	11	679809	4973413	7/16/2005	P	E-Fish	-	-	-	Y
174	Middle Fork Salmon River (MFSa 11a)	IDFG-C	11	679232	4991746	7/17/2005	P	E-Fish	-	-	-	Y

¹Data sources are as follows: SCNF=Salmon-Challis National Forest standard sampling site, SCNF-SV= Salmon-Challis National Forest standard sampling site with voucher specimens collected, SCNF-VO= Salmon-Challis National Forest with only voucher specimens collected, BNF=Boise National Forest, DEQ=Idaho Department of Environmental Quality beneficial use reconnaissance program (BURP) data, IDFG-A=Idaho Department of Fish and Game Salmon Region annual report, IDFG-B=Idaho Department of Fish and Game general parr monitoring (GPM) data, IDFG-C=Idaho Department of Fish and Game Salmon Region unpublished lamprey data.

Table 1 (continued). General description of all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.

Site Code	Stream Name	Data Source ¹	Zone	Easting	Northing	Date Assessed	Stream Type	Fish Sampling Method	Length (m)	Mean Width (m)	Water Temp (°C)	Fish Present
175	Middle Fork Salmon River (MFSa 2)	IDFG-C	11	676350	4970746	10/24/06	P	E-Fish	-	-	-	Y
176	Middle Fork Salmon River (MFSa 3)	IDFG-C	11	679901	4973229	10/25/06	P	E-Fish	-	-	-	Y
177	Middle Fork Salmon River (MFSa 4)	IDFG-C	11	679333	4976189	10/26/06	P	E-Fish	-	-	-	Y
178	Middle Fork Salmon River (MFSa 5)	IDFG-C	11	679030	4979532	10/26/06	P	E-Fish	-	-	-	Y
179	Middle Fork Salmon River (MFSa 6)	IDFG-C	11	679030	4979532	10/26/06	P	E-Fish	-	-	-	Y
180	Middle Fork Salmon River (MFSa 7a)	IDFG-C	11	669615	4961119	7/15/2005	P	E-Fish	-	-	-	Y
181	Middle Fork Salmon River (MFSa 8a)	IDFG-C	11	670721	4962198	7/15/2005	P	E-Fish	-	-	-	Y
182	Middle Fork Salmon River (MFSa 9a)	IDFG-C	11	679811	4973423	7/16/2005	P	E-Fish	-	-	-	Y
183	Middle Fork Salmon River (Mouth of Camas Creek)	SCNF-VO	11	679908	4973235	7/8/2007	P	E-Fish	-	-	-	Y
184	Middle Fork Salmon River (Little Creek Guard Station)	IDFG-A	11	658488	4953943	7/2007	P	Snorkel	90	-	-	Y
185	Middle Fork Salmon River (Mahoney Camp)	IDFG-A	11	664903	4957467	7/2007	P	Snorkel	50	-	-	Y
186	Middle Fork Salmon River (White Creek Pack Bridge)	IDFG-A	11	671079	4962640	7/2007	P	Snorkel	300	-	-	Y
187	Middle Fork Salmon River (Bernard Airstrip)	IDFG-A	11	678903	4983674	7/2007	P	Snorkel	100	-	-	Y
188	Middle Fork Salmon River (Boundary)	IDFG-A	11	635725	4932155	7/2007	P	Snorkel	68	-	-	Y
189	Middle Fork Salmon River (Gardells Hole)	IDFG-A	11	635068	4935591	7/2007	P	Snorkel	120	-	-	Y
190	Middle Fork Salmon River (Velvet)	IDFG-A	11	635769	4939430	7/2007	P	Snorkel	37	-	-	Y
191	Middle Fork Salmon River (Elkhorn)	IDFG-A	11	638447	4941511	7/2007	P	Snorkel	70	-	-	Y
192	Middle Fork Salmon River (Sheepeater)	IDFG-A	11	643157	4943009	7/2007	P	Snorkel	90	-	-	Y
193	Middle Fork Salmon River (Greyhound)	IDFG-A	11	645517	4945542	07/12/05	P	Snorkel	99	-	17	Y
194	Middle Fork Salmon River (Rapid River)	IDFG-A	11	646442	4948812	7/2007	P	Snorkel	73	-	-	Y

¹Data sources are as follows: SCNF=Salmon-Challis National Forest standard sampling site, SCNF-SV= Salmon-Challis National Forest standard sampling site with voucher specimens collected, SCNF-VO= Salmon-Challis National Forest with only voucher specimens collected, BNF=Boise National Forest, DEQ=Idaho Department of Environmental Quality beneficial use reconnaissance program (BURP) data, IDFG-A=Idaho Department of Fish and Game Salmon Region annual report, IDFG-B=Idaho Department of Fish and Game general parr monitoring (GPM) data, IDFG-C=Idaho Department of Fish and Game Salmon Region unpublished lamprey data.

Table 1 (continued). General description of all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.

Site Code	Stream Name	Data Source ¹	Zone	Easting	Northing	Date Assessed	Stream Type	Fish Sampling Method	Length (m)	Mean Width (m)	Water Temp (°C)	Fish Present
195	Middle Fork Salmon River (Indian)	IDFG-A	11	649467	4957510	7/2007	P	Snorkel	137	-	-	Y
196	Middle Fork Salmon River (Pungo)	IDFG-A	11	652545	4958369	7/2007	P	Snorkel	77	-	-	Y
197	Middle Fork Salmon River (Marble Pool)	IDFG-A	11	655722	4956144	7/2007	P	Snorkel	142	-	-	Y
198	Middle Fork Salmon River (Skijump)	IDFG-A	11	657100	4955872	7/2007	P	Snorkel	92	-	-	Y
199	Middle Fork Salmon River (Lower Jackass)	IDFG-A	11	661449	4953980	7/2007	P	Snorkel	111	-	-	Y
200	Middle Fork Salmon River (Cougar)	IDFG-A	11	664657	4955901	7/2007	P	Snorkel	67	-	-	Y
201	Middle Fork Salmon River (Whitie Cox)	IDFG-A	11	669363	4961062	7/2007	P	Snorkel	102	-	-	Y
202	Middle Fork Salmon River (Rock Island)	IDFG-A	11	670036	4960926	7/2007	P	Snorkel	122	-	-	Y
203	Middle Fork Salmon River (Hospital Pool)	IDFG-A	11	674864	4966629	07/15/05	P	Snorkel	80	-	20	Y
204	Middle Fork Salmon River (Hospital Run)	IDFG-A	11	675309	4967407	07/15/05	P	Snorkel	66	-	21	Y
205	Middle Fork Salmon River (Tappan Pool)	IDFG-A	11	677877	4971782	7/2007	P	Snorkel	137	-	-	Y
206	Middle Fork Salmon River (Flying B)	IDFG-A	11	678817	4980296	7/2007	P	Snorkel	75	-	-	Y
207	Middle Fork Salmon River (Airstrip)	IDFG-A	11	679058	4981777	7/2007	P	Snorkel	110	-	-	Y
208	Middle Fork Salmon River (Survey)	IDFG-A	11	679230	4991641	7/2007	P	Snorkel	75	-	-	Y
209	Mystery Creek	SCNF	11	676621	4930540	6/5/2007	P	E-Fish	50	2.7	7.4	N
210	Norton Creek	IDFG-A	11	674381	4965876	7/17/2004	P	E-Fish	175	-	-	Y
211	Pine Creek	IDFG-A	11	666566	4958814	7/17/2004	P	E-Fish	-	-	-	Y
212	Pioneer Creek	SCNF	11	670378	4930555	7/24/2007	P	E-Fish	80	7.2	-	Y
213	Pistol Creek	IDFG-A	11	646266	4953501	7/2007	P	Snorkel	30	-	-	Y
214	Pistol Creek	IDFG-A	11	646230	4953440	7/2007	P	Snorkel	40	-	-	Y
215	Pole Creek	SCNF	11	687601	4961513	8/21/2002	P	Snorkel	81.4	2.71	5.6	N
216	Prospect Creek	SCNF	11	655044	4923625	6/27/2007	P	E-Fish	50	1.6	12.4	Y

¹Data sources are as follows: SCNF=Salmon-Challis National Forest standard sampling site, SCNF-SV= Salmon-Challis National Forest standard sampling site with voucher specimens collected, SCNF-VO= Salmon-Challis National Forest with only voucher specimens collected, BNF=Boise National Forest, DEQ=Idaho Department of Environmental Quality beneficial use reconnaissance program (BURP) data, IDFG-A=Idaho Department of Fish and Game Salmon Region annual report, IDFG-B=Idaho Department of Fish and Game general parr monitoring (GPM) data, IDFG-C=Idaho Department of Fish and Game Salmon Region unpublished lamprey data.

Table 1 (continued). General description of all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.

Site Code	Stream Name	Data Source ¹	Zone	Easting	Northing	Date Assessed	Stream Type	Fish Sampling Method	Length (m)	Mean Width (m)	Water Temp (°C)	Fish Present
217	Pungo Creek	IDFG-A	11	652497	4958435	7/15/2004	P	E-Fish	-	-	-	Y
218	Pungo Creek	IDFG-A	11	652497	4958435	7/24/2007	P	E-Fish	71	2.38	11.5	Y
219	Rabbit Creek	SCNF	11	667859	4934076	6/6/2007	P	E-Fish	50	2.8	5.1	Y
220	Ranch Creek	SCNF	11	645883	4954837	7/5/2007	P	E-Fish	50	1.5	13.9	N
221	Ranch Creek	SCNF	11	646452	4954732	7/5/2007	P	Visual	-	-	14.6	N
222	Rapid River	SCNF	11	653233	4936836	7/30/2007	P	E-Fish	80	10.9	12	Y
223	Rapid River	SCNF-VO	11	653053	4938577	7/16/2008	P	E-Fish	-	-	-	Y
224	Rapid River	IDFG-C	11	656604	4934126	8/10/2008	P	Snorkel	91.6	5	-	Y
225	Rapid River	IDFG-C	11	656226	4934071	8/9/2008	P	Snorkel	103.5	6.22	-	Y
226	Rapid River	IDFG-C	11	654914	4933987	8/11/2008	P	Snorkel	103.4	6.84	-	Y
227	Rapid River	IDFG-C	11	652903	4937320	8/8/2008	P	Snorkel	114.8	8.92	-	Y
228	Rapid River	IDFG-C	11	653023	4938815	8/10/2008	P	Snorkel	98	10.62	-	Y
229	Rapid River	IDFG-C	11	652923	4939909	8/10/2008	P	Snorkel	80.6	11.5	-	Y
230	Rapid River	IDFG-C	11	653436	4940917	8/9/2008	P	Snorkel	74.1	10.02	-	Y
231	Rapid River	IDFG-C	11	654181	4942635	8/9/2008	P	Snorkel	135.6	10.94	-	Y
232	Rapid River	IDFG-C	11	654287	4943344	8/9/2008	P	Snorkel	68.3	11.58	-	Y
233	Rapid River	IDFG-C	11	648366	4947899	7/21/2008	P	Snorkel	101	15	-	Y
234	Rapid River	IDFG-C	11	647505	4948167	7/21/2008	P	Snorkel	102	18	-	Y
235	Rat Creek	SCNF	11	673170	4939056	6/19/2007	P	E-Fish	50	2	10.1	N
236	Rat Creek	SCNF	11	673309	4938979	6/19/2007	P	E-Fish	50	1.5	8	N
237	Seafoam Creek	SCNF	11	653156	4933658	6/27/2007	P	E-Fish	50	4.3	8.1	Y
238	Seafoam Creek	SCNF	11	653156	4933658	6/27/2007	P	E-Fish	50	5.8	8.1	Y

¹Data sources are as follows: SCNF=Salmon-Challis National Forest standard sampling site, SCNF-SV= Salmon-Challis National Forest standard sampling site with voucher specimens collected, SCNF-VO= Salmon-Challis National Forest with only voucher specimens collected, BNF=Boise National Forest, DEQ=Idaho Department of Environmental Quality beneficial use reconnaissance program (BURP) data, IDFG-A=Idaho Department of Fish and Game Salmon Region annual report, IDFG-B=Idaho Department of Fish and Game general parr monitoring (GPM) data, IDFG-C=Idaho Department of Fish and Game Salmon Region unpublished lamprey data.

Table 1 (continued). General description of all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.

Site Code	Stream Name	Data Source ¹	Zone	Easting	Northing	Date Assessed	Stream Type	Fish Sampling Method	Length (m)	Mean Width (m)	Water Temp (°C)	Fish Present
239	Seafoam Creek	SCNF	11	653090	4933674	6/27/2007	P	E-Fish	100	3.8	8.8	Y
240	Seafoam Creek	SCNF	11	653539	4933608	7/12/2007	P	E-Fish	50	4.4	14	Y
241	Seafoam Creek	SCNF	11	651462	4933115	7/15/2008	P	E-Fish	231	-	13	Y
242	Seafoam Creek	IDFG-C	11	654001	4934156	8/8/2008	P	Snorkel	68.4	7.7	-	Y
243	Seafoam Creek	IDFG-C	11	654010	4934795	8/8/2008	P	Snorkel	82.5	6.56	-	Y
244	Shady Creek	SCNF	11	656293	4933790	7/16/2008	P	E-Fish	50	3.2	8.3	N
245	Shady Creek	IDFG-C	11	656251	4934024	8/9/2008	P	Snorkel	58	2.7	-	Y
246	Shake Creek	SCNF	11	650202	4922941	6/27/2007	P	E-Fish	50	3.1	14.5	Y
247	Sheep Creek	SCNF	11	672543	4975913	7/24/2006	P	E-Fish	50	2.8	14.6	Y
248	Sheep Creek	SCNF	11	672431	4976133	7/24/2006	P	E-Fish	63.6	2.9	20.2	Y
249	Sheep Creek	SCNF	11	675238	4977212	7/24/2006	P	E-Fish	75	4.9	16.9	Y
250	Sheep Creek	SCNF-SV	11	677691	4978422	7/26/2006	P	E-Fish	123	6.5	16.2	Y
251	Sheep Creek	SCNF	11	699112	4960404	8/6/2002	P	Snorkel	54.1	1.58	7.8	Y
252	Sheep Creek	IDFG-A	11	699260	4960299	7/18/2004	P	E-Fish	-	-	-	Y
253	Sheep Creek	IDFG-A	11	679357	4978946	7/26/2007	P	E-Fish	67	3.66	18	Y
254	Sheldon Creek	SCNF	11	694921	4954972	8/7/2002	P	Snorkel	50	1.65	5.6	N
255	Silver Creek	SCNF	11	653735	4930968	7/17/2008	P	E-Fish	50	2.2	6.4	N
256	Soilder Creek	IDFG-A	11	679151	4988433	7/26/2007	P	E-Fish	77	3.87	16	Y
257	South Fork Camas Creek	SCNF	11	694895	4955005	8/7/2002	P	Snorkel	203.5	3.88	8.9	Y
258	Spider Creek	SCNF	11	699332	4952044	8/8/2002	P	Snorkel	39.5	2.24	8.9	Y
259	Sulphur Creek	SCNF	11	652860	4938472	7/16/2008	P	E-Fish	66	3.5	10.4	Y

¹Data sources are as follows: SCNF=Salmon-Challis National Forest standard sampling site, SCNF-SV= Salmon-Challis National Forest standard sampling site with voucher specimens collected, SCNF-VO= Salmon-Challis National Forest with only voucher specimens collected, BNF=Boise National Forest, DEQ=Idaho Department of Environmental Quality beneficial use reconnaissance program (BURP) data, IDFG-A=Idaho Department of Fish and Game Salmon Region annual report, IDFG-B=Idaho Department of Fish and Game general parr monitoring (GPM) data, IDFG-C=Idaho Department of Fish and Game Salmon Region unpublished lamprey data.

Table 1 (continued). General description of all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.

Site Code	Stream Name	Data Source ¹	Zone	Easting	Northing	Date Assessed	Stream Type	Fish Sampling Method	Length (m)	Mean Width (m)	Water Temp (°C)	Fish Present
260	Sulphur Creek	SCNF	11	648367	4936707	7/16/2008	P	E-Fish	75	2.1	6.5	N
261	Sulphur Creek	SCNF	11	634732	4934068	7/10/2006	P	E-Fish	≈50	11.3	16.9	Y
262	Sulphur Creek	SCNF-SV	11	634739	4934061	7/10/2006	P	E-Fish	≈50	11.9	17.1	Y
263	Sulphur Creek	SCNF	11	634763	4933951	7/18/2007	P	E-Fish	50	12	21.5	Y
264	Sulphur Creek	SCNF	11	634467	4933554	7/18/2007	P	E-Fish	50	11	21.1	Y
265	Sulphur Creek	SCNF	11	635022	4934511	7/18/2007	P	E-Fish	100	12.8	20.4	Y
266	Sulphur Creek	DEQ	11	631860	4933581	7/14/2004	P	E-Fish	100	15.1	16.9	Y
267	Sulphur Creek	IDFG-B	11	629513	4932214	8/11/2005	P	Snorkel	168.7	-	13	Y
268	Sulphur Creek	IDFG-B	11	631871	4933269	8/11/2005	P	Snorkel	102.9	-	16	Y
269	Sulphur Creek	IDFG-B	11	633110	4933267	8/11/2005	P	Snorkel	63.3	-	17	Y
270	Swamp Creek	SCNF	11	646733	4910596	6/25/2007	P	E-Fish	119	4.1	9.2	Y
271	Swamp Creek	SCNF	11	648346	4913497	7/17/2008	P	E-Fish	72	2.7	9.5	Y
272	Thatcher Creek	SCNF	11	645954	4912031	6/21/2007	P	E-Fish	100	1.6	10.1	Y
273	Thatcher Creek	SCNF	11	647806	4914063	6/11/2008	P	E-Fish	100	4.2	5	Y
274	Thomas Creek	SCNF	11	656791	4952622	8/1/2007	P	E-Fish	50	1.8	14	Y
275	Thomas Creek	SCNF	11	656676	4952274	8/1/2007	P	E-Fish	50	2.7	13	Y
276	Thomas Creek	IDFG-A	11	657558	4952968	7/16/2004	P	E-Fish	-	-	-	Y
277	Trail Creek	SCNF	11	666018	4933341	6/6/2007	P	E-Fish	50	3.8	5	Y
278	Trail Creek	SCNF	11	669169	4933864	6/6/2007	P	E-Fish	50	7.1	5.2	N
279	Trail Creek	SCNF	11	669169	4933864	6/6/2007	P	E-Fish	50	6.9	-	N
280	Trail Creek	SCNF	11	669331	4933896	6/6/2007	P	E-Fish	50	9.3	5.5	Y
281	Trail Creek	SCNF	11	669331	4933896	6/6/2007	P	E-Fish	50	5.4	5.5	Y

¹Data sources are as follows: SCNF=Salmon-Challis National Forest standard sampling site, SCNF-SV= Salmon-Challis National Forest standard sampling site with voucher specimens collected, SCNF-VO= Salmon-Challis National Forest with only voucher specimens collected, BNF=Boise National Forest, DEQ=Idaho Department of Environmental Quality beneficial use reconnaissance program (BURP) data, IDFG-A=Idaho Department of Fish and Game Salmon Region annual report, IDFG-B=Idaho Department of Fish and Game general parr monitoring (GPM) data, IDFG-C=Idaho Department of Fish and Game Salmon Region unpublished lamprey data.

Table 1 (continued). General description of all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.

Site Code	Stream Name	Data Source ¹	Zone	Easting	Northing	Date Assessed	Stream Type	Fish Sampling Method	Length (m)	Mean Width (m)	Water Temp (°C)	Fish Present
282	Unnamed Tributary to Banner Creek	SCNF	11	640926	4910324	7/15/2008	P	E-Fish	80	3.2	11.5	Y
283	Unnamed Tributary to Bear Creek	SCNF	11	650754	4925060	6/27/2007	P	E-Fish	50	5.5	10.2	Y
284	Unnamed Tributary to Bear Creek	SCNF	11	650838	4925012	8/20/2008	P	E-Fish	107	3.8	7.1	Y
285	Unnamed Tributary to Cape Horn Creek	SCNF	11	642784	4913429	6/11/2008	P	E-Fish	100	2.9	2.8	Y
286	Unnamed Tributary to Float Creek (Harlan Creek)	SCNF	11	649394	4934852	7/16/2008	P	E-Fish	73	2.4	8.7	Y
287	Unnamed Tributary to Kelly Creek	SCNF	11	650290	4913741	7/16/2008	IE	Visual	-	-	-	N
288	Unnamed Tributary to Kelly Creek	SCNF	11	653258	4915971	7/17/2008	IE	Visual	-	-	-	N
289	Unnamed Tributary to Kelly Creek	SCNF	11	653261	4915482	7/17/2008	P	E-Fish	50	0.8	8.1	Y
290	Unnamed Tributary to Kelly Creek	SCNF	11	653329	4915497	7/17/2008	P	E-Fish	54	0.7	7.9	Y
291	Unnamed Tributary to Rapid River	SCNF	11	655681	4933629	7/16/2008	P	E-Fish	50	1.1	8.7	Y
292	Vader Creek	SCNF	11	649630	4912011	7/16/2008	IE	Visual	-	-	-	N
293	Vanity Creek	SCNF	11	653588	4932425	7/30/2007	P	E-Fish	60	4.8	12	Y
294	Vanity Creek	SCNF	11	653531	4930227	7/15/2008	P	E-Fish	50	3	11.4	Y
295	Vanity Creek	IDFG-C	11	653574	4930359	8/12/2008	P	Snorkel	83.7	2.98	-	N
296	Vanity Creek	IDFG-C	11	653612	4931892	8/6/2008	P	Snorkel	88.9	5.82	-	Y
297	Vanity Creek	IDFG-C	11	653719	4933276	8/12/2008	P	Snorkel	86	5.4	-	Y
298	Walker Creek	SCNF	11	643805	4921407	6/13/2007	P	E-Fish	50	2.4	6.4	N
299	Warm Spring Creek	SCNF	11	679280	4979729	7/25/2006	P	E-Fish	50	2.4	18.1	Y
300	Warm Spring Creek	SCNF	11	679567	4979897	7/25/2006	P	E-Fish	50	2.2	18.5	Y
301	Warm Spring Creek	IDFG-A	11	679187	4979503	7/18/2004	P	E-Fish	-	-	-	Y
302	West Fork Camas Creek	SCNF	11	689147	4963551	8/22/2002	P	Snorkel	81.5	2.23	7.2	Y
303	West Mayfield Creek	SCNF	11	680181	4929267	6/7/2007	P	E-Fish	100	3.7	6.4	Y

¹Data sources are as follows: SCNF=Salmon-Challis National Forest standard sampling site, SCNF-SV= Salmon-Challis National Forest standard sampling site with voucher specimens collected, SCNF-VO= Salmon-Challis National Forest with only voucher specimens collected, BNF=Boise National Forest, DEQ=Idaho Department of Environmental Quality beneficial use reconnaissance program (BURP) data, IDFG-A=Idaho Department of Fish and Game Salmon Region annual report, IDFG-B=Idaho Department of Fish and Game general parr monitoring (GPM) data, IDFG-C=Idaho Department of Fish and Game Salmon Region unpublished lamprey data.

Table 1 (continued). General description of all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.

Site Code	Stream Name	Data Source ¹	Zone	Easting	Northing	Date Assessed	Stream Type	Fish Sampling Method	Length (m)	Mean Width (m)	Water Temp (°C)	Fish Present
304	White Goat Creek	SCNF	11	699113	4956824	8/6/2002	P	Snorkel	58.5	2.41	11.7	Y
305	Wilson Creek	IDFG-A	11	679338	4988957	7/18/2004	P	E-Fish	-	-	-	Y
306	Wilson Creek	IDFG-A	11	679338	4988957	7/27/2007	P	E-Fish	46	8.56	14	Y
307	Winnemucca Creek	SCNF	11	660533	4925945	6/26/2007	P	E-Fish	50	2.3	7	Y
308	Winnemucca Creek	SCNF	11	660238	4923242	6/26/2007	P	E-Fish	50	3.2	5	Y
309	Winnemucca Creek	SCNF	11	656192	4922312	7/30/2007	P	E-Fish	50	7.3	16	Y
310	Woodtick Creek	SCNF	11	686930	4971490	7/30/2002	P	Snorkel	53.3	4.3	10.6	Y

¹Data sources are as follows: SCNF=Salmon-Challis National Forest standard sampling site, SCNF-SV= Salmon-Challis National Forest standard sampling site with voucher specimens collected, SCNF-VO= Salmon-Challis National Forest with only voucher specimens collected, BNF=Boise National Forest, DEQ=Idaho Department of Environmental Quality beneficial use reconnaissance program (BURP) data, IDFG-A=Idaho Department of Fish and Game Salmon Region annual report, IDFG-B=Idaho Department of Fish and Game general parr monitoring (GPM) data, IDFG-C=Idaho Department of Fish and Game Salmon Region unpublished lamprey data.

Table 2. Species occurrence in all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.

Site Code	Stream Name	Date Assessed	Fish Present	Steelhead/ Rainbow	Cutthroat	Bull	Brook	BrookxBull Hybrids	Chinook	Mountain Whitefish	Lamprey	Northern Pikeminnow	Sucker	Redside Shiner	Dace	Sculpin
1	Allen Creek	7/13/2007	N	N	N	N	N	N	N	N	N	N	N	N	N	N
2	Aparejo Creek	7/18/2004	Y	N	Y	N	N	¹	N	¹	¹	¹	¹	¹	¹	¹
3	Asher Creek	6/20/2007	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y
4	Ayers Creek	6/10/2008	N	N	N	N	N	N	N	N	N	N	N	N	N	N
5	Ayers Creek	6/10/2008	Y	Y	N	N	Y	N	N	N	N	N	N	N	Y	N
6	Baldwin Creek	7/16/2008	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N
7	Bear Creek	7/15/2008	Y	N	N	Y	N	Y	N	N	N	N	N	N	N	N
8	Bear Creek	7/15/2008	Y	Y	N	Y	N	N	Y	Y	N	N	N	N	N	Y
9	Bear Creek (Big Bear Creek)	7/18/2004	Y	N	Y	N	N	¹	N	¹	¹	¹	¹	¹	¹	¹
10	Bear Creek (Big Bear Creek)	7/19/2004	Y	Y	N	N	N	¹	N	¹	¹	¹	¹	¹	¹	¹
11	Beaver Creek	6/26/2007	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N
12	Beaver Creek	6/21/2007	Y	N	N	Y	Y	N	N	N	N	N	N	N	N	Y
13	Beaver Creek	7/12/2007	Y	Y	N	N	N	Y	Y	N	N	N	N	N	N	Y
14	Beaver Creek	7/30/2007	Y	Y	N	Y	Y	N	Y	N	N	N	N	N	N	Y
15	Beaver Creek	7/30/2007	Y	Y	N	N	Y	N	Y	N	N	N	N	N	N	Y
16	Bench Creek	7/13/2007	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y
17	Bench Creek	6/11/2008	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y
18	Bernard Creek	7/26/2006	N	N	N	N	N	N	N	N	N	N	N	N	N	N
19	Bernard Creek	7/26/2006	N	N	N	N	N	N	N	N	N	N	N	N	N	N
20	Bernard Creek	7/16/2008	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	Y
21	Bernard Creek	7/18/2004	Y	Y	N	Y	N	¹	Y	¹	¹	¹	¹	¹	¹	¹
22	Blue Moon Creek	7/11/2006	N	N	N	N	N	N	N	N	N	N	N	N	N	N
23	Blue Moon Creek	7/11/2006	N	N	N	N	N	N	N	N	N	N	N	N	N	N
24	Blue Moon Creek	7/19/2007	N	N	N	N	N	N	N	N	N	N	N	N	N	N
25	Blue Moon Creek	7/19/2007	N	N	N	N	N	N	N	N	N	N	N	N	N	N
26	Blue Moon Creek	7/19/2007	N	N	N	N	N	N	N	N	N	N	N	N	N	N
27	Boundary Creek	7/15/2008	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N
28	Brush Creek	7/25/2006	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N
29	Brush Creek	7/27/2006	Y	N	Y	N	N	N	N	Y	N	N	N	N	Y	N

¹ This site was sampled by the Idaho Department of Fish and Game specifically to collect fin clips from trout for genetic analysis. Other species may have been present but were not recorded.

Table 2 (Continued). Species occurrence in all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.

Site Code	Stream Name	Date Assessed	Fish Present	Steelhead/ Rainbow	Cutthroat	Bull	Brook	BrookxBull Hybrids	Chinook	Mountain Whitefish	Lamprey	Northern Pikeminnow	Sucker	Redside Shiner	Dace	Sculpin
30	Brush Creek	7/26/2006	Y	Y	Y	N	N	N	N	Y	N	N	N	N	Y	N
31	Brush Creek	11/1/2007	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
32	Brush Creek	11/1/2007	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N
33	Brush Creek	11/1/2007	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N
34	Brush Creek	7/26/2006	Y	²	²	²	²	²	²	²	²	²	²	²	Y	²
35	Brush Creek	7/17/2004	Y	Y	Y	N	N	¹	N	¹	¹	¹	¹	¹	¹	¹
36	Brush Creek	7/9/2007	Y	Y	Y	Y	N	N	Y	Y	³	³	N	N	Y	Y
37	Brush Creek	7/12/2007	Y	Y	Y	Y	N	N	N	³	³	³	³	³	³	³
38	Brush Creek	7/12/2007	Y	Y	Y	N	N	N	N	³	³	³	³	³	³	³
39	Brush Creek	6/11/2007	Y	N	Y	N	N	N	N	³	³	³	³	³	³	³
40	Brush Creek	7/11/2007	Y	N	Y	N	N	N	N	³	³	³	³	³	³	³
41	Brush Creek	6/10/2007	Y	N	Y	N	N	N	N	³	³	³	³	³	³	³
42	Cache Creek	8/14/2006	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N
43	Cache Creek	8/14/2006	Y	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N
44	Camas Creek	8/8/2002	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N
45	Camas Creek	7/10/2006	Y	Y	Y	N	N	N	Y	N	N	N	N	N	N	N
46	Camas Creek	7/10/2006	Y	Y	Y	N	N	N	Y	N	N	N	N	N	N	N
47	Camas Creek	7/17/2004	Y	Y	Y	Y	N	¹	N	¹	¹	¹	¹	¹	¹	¹
48	Camas Creek (Lower Site)	7/2007	Y	Y	Y	N	³	³	Y	Y	³	N	N	N	³	³
49	Camas Creek (Upper Site)	7/2007	Y	Y	Y	N	³	³	N	Y	³	N	N	N	³	³
50	Camp Creek	6/28/2007	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y
51	Canyon Creek	6/19/2007	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N
52	Canyon Creek	6/19/2007	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N
53	Cape Horn Creek	7/12/2007	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N
54	Cape Horn Creek	7/12/2007	Y	Y	N	Y	Y	N	Y	Y	N	N	N	N	N	Y
55	Cape Horn Creek	8/20/2007	Y	Y	N	Y	Y	Y	Y	N	N	N	N	N	N	Y
56	Cape Horn Creek	8/20/2007	Y	Y	N	Y	Y	Y	N	N	N	N	N	N	N	Y
57	Cape Horn Creek	8/20/2008	Y	Y	N	Y	Y	Y	N	N	N	N	N	N	N	Y
58	Cape Horn Creek	7/17/2008	Y	N	N	Y	N	N	Y	N	N	N	N	N	N	Y

¹ This site was sampled by the Idaho Department of Fish and Game specifically to collect fin clips from trout for genetic analysis. Other species may have been present but were not recorded.

² This site was sampled specifically to collect voucher specimens of non-game fish and/or mountain whitefish and data on other fish were not collected.

³ Occurrence data for this species was not provided for this sampling event.

Table 2 (Continued). Species occurrence in all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.

Site Code	Stream Name	Date Assessed	Fish Present	Steelhead/ Rainbow	Cutthroat	Bull	Brook	BrookxBull Hybrids	Chinook	Mountain Whitefish	Lamprey	Northern Pikeminnow	Sucker	Redside Shiner	Dace	Sculpin
59	Cape Horn Creek	8/3/2006	Y	Y	N	Y	Y	N	Y	N	N	N	N	N	N	Y
60	Cape Horn Creek	8/3/2006	Y	Y	N	Y	Y	N	Y	Y	N	N	N	N	N	Y
61	China Creek	6/5/2007	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N
62	Collie Creek	7/13/2007	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N
63	Cougar Creek	8/14/2006	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N
64	Cougar Creek	8/14/2006	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N
65	Cougar Creek	7/16/2004	Y	N	Y	N	N	¹	N	¹	¹	¹	¹	¹	¹	¹
66	Crystal Creek	6/26/2007	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N
67	Cub Creek	7/17/2004	Y	Y	Y	N	N	¹	N	¹	¹	¹	¹	¹	¹	¹
68	Cub Creek	7/25/2007	Y	Y	Y	N	N	N	Y	³	³	³	³	³	³	³
69	Dagger Creek	7/15/2008	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	Y
70	Dagger Creek	7/15/2008	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	Y
71	Dagger Creek	7/12/2004	Y	N	Y	N	Y	N	N	N	N	N	N	N	N	Y
72	Dagger Creek	7/16/2007	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N
73	Dagger Creek	7/16/2007	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N
74	Deer Creek	6/7/2007	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N
75	Deer Creek	6/7/2007	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N
76	Deer Horn Creek	7/22/2007	Y	N	Y	Y	N	N	N	³	³	³	³	³	³	³
77	Dome Creek	7/23/2007	Y	N	N	Y	N	N	N	³	³	³	³	³	³	³
78	Dry Creek	7/16/2008	N	N	N	N	N	N	N	N	N	N	N	N	N	N
79	Dry Creek	7/17/2008	N	N	N	N	N	N	N	N	N	N	N	N	N	N
80	Duffield Creek	7/16/2008	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	Y
81	East Fork Elk Creek	7/17/2007	Y	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N
82	East Mayfield Creek	7/23/2007	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	Y
83	East Mayfield Creek	8/21/2007	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	Y
84	Elk Creek	8/10/2005	Y	N	Y	N	Y	N	Y	Y	N	N	N	N	N	Y
85	Elk Creek	8/10/2005	Y	N	Y	N	N	N	Y	Y	N	N	N	N	N	N
86	Elk Creek	8/10/2005	Y	N	Y	N	Y	N	Y	Y	N	N	N	N	N	N
87	Elkhorn Creek	7/14/2004	Y	Y	Y	Y	N	¹	N	¹	¹	¹	¹	¹	¹	¹

¹ This site was sampled by the Idaho Department of Fish and Game specifically to collect fin clips from trout for genetic analysis. Other species may have been present but were not recorded.

³ Occurrence data for this species was not provided for this sampling event.

Table 2 (Continued). Species occurrence in all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest

Site Code	Stream Name	Date Assessed	Fish Present	Steelhead/Rainbow	Cutthroat	Bull	Brook	BrookxBull Hybrids	Chinook	Mountain Whitefish	Lamprey	Northern Pikeminnow	Sucker	Redside Shiner	Dace	Sculpin
88	Elkhorn Creek	7/22/2007	Y	Y	Y	Y	N	N	N	Y	³	³	N	N	Y	Y
89	Feltham Creek	6/21/2007	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N
90	Flat Creek	6/21/2007	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N
91	Flat Creek	7/17/2008	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N
92	Float Creek	8/7/2008	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N
93	Float Creek	8/7/2008	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N
94	Float Creek	8/7/2008	Y	Y	N	N	N	N	N	N	N	N	N	N	N	Y
95	Float Creek	8/7/2008	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N
96	Float Creek	8/7/2008	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	Y
97	Float Creek	8/7/2008	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	Y
98	Float Creek	8/7/2008	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N
99	Float Creek	8/8/2008	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N
100	Flume Creek	8/2/2002	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
101	Fly Creek	8/8/2002	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N
102	Garden Creek	7/6/2007	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N
103	Garden Creek	7/6/2007	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N
104	Garden Creek	7/15/2004	Y	N	Y	N	N	¹	N	¹	¹	¹	¹	¹	¹	¹
105	Greyhound	7/23/2007	Y	Y	Y	Y	N	N	Y	N	³	³	N	N	N	Y
106	Grouse Creek	6/7/2007	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N
107	Grouse Creek	7/8/2007	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N
108	Halfmoon Creek	7/18/2007	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N
109	Halstead Creek	6/28/2007	N	N	N	N	N	N	N	N	N	N	N	N	N	N
110	Halstead Creek	6/28/2007	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N
111	Indian Creek	7/2007	Y	Y	Y	N	³	³	Y	Y	³	N	N	N	³	³
112	Indian Creek	7/2007	Y	Y	Y	N	³	³	Y	Y	³	N	N	N	³	³
113	J Fell Creek	8/8/2002	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N
114	Kelly Creek	7/17/2008	N	N	N	N	N	N	N	N	N	N	N	N	N	N
115	Knapp Creek	6/20/2007	Y	Y	N	N	Y	N	Y	N	N	N	N	N	N	Y
116	Knapp Creek	6/20/2007	Y	Y	N	N	Y	N	N	N	N	N	N	N	N	Y
117	Knapp Creek	6/20/2007	Y	Y	N	N	N	N	N	N	N	N	N	N	N	Y

¹ This site was sampled by the Idaho Department of Fish and Game specifically to collect fin clips from trout for genetic analysis. Other species may have been present but were not recorded.

³ Occurrence data for this species was not provided for this sampling event.

Table 2 (Continued). Species occurrence in all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.

Site Code	Stream Name	Date Assessed	Fish Present	Steelhead/Rainbow	Cutthroat	Bull	Brook	BrookxBull Hybrids	Chinook	Mountain Whitefish	Lamprey	Northern Pikeminnow	Sucker	Redside Shiner	Dace	Sculpin
118	Knapp Creek	6/26/2007	Y	N	Y	Y	Y	N	N	N	N	N	N	N	N	Y
119	Knapp Creek	6/26/2007	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y
120	Knapp Creek	7/12/2007	Y	Y	N	N	Y	N	Y	N	N	N	N	N	N	Y
121	Knapp Creek	7/30/2007	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y
122	Knapp Creek	8/9/2006	Y	Y	Y	N	Y	N	Y	N	N	N	N	N	N	Y
123	Knapp Creek	8/9/2006	Y	Y	N	N	Y	N	Y	N	N	N	N	N	N	Y
124	Knapp Creek	8/9/2006	Y	Y	N	N	Y	N	N	N	N	N	N	N	N	Y
125	Knapp Creek	8/3/2006	Y	Y	N	N	Y	N	Y	N	N	N	N	N	N	N
126	Knapp Creek	8/3/2006	Y	Y	N	N	Y	N	Y	N	N	N	N	N	N	Y
127	Knapp Creek	8/3/2006	Y	Y	N	N	Y	N	Y	N	N	N	N	N	N	Y
128	Laidlow Creek	6/27/2007	N	N	N	N	N	N	N	N	N	N	N	N	N	N
129	Lake Creek	7/22/2007	Y	N	N	Y	N	N	N	N	- ³	- ³	N	N	N	Y
130	Liberty Creek	8/21/2002	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N
131	Lime Creek	7/17/2008	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N
132	Little Creek	8/1/2007	N	N	N	N	N	N	N	N	N	N	N	N	N	N
133	Little Creek	8/1/2007	N	N	N	N	N	N	N	N	N	N	N	N	N	N
134	Little Loon Creek	7/16/2004	Y	Y	Y	N	N	- ¹	N	- ¹	- ¹	- ¹	- ¹	- ¹	- ¹	- ¹
135	Little Loon Creek	7/24/2007	Y	Y	Y	Y	N	N	Y	Y	- ³	- ³	N	N	Y	Y
136	Little Soilder Creek	7/24/2007	Y	Y	Y	Y	N	N	N	- ³	- ³	- ³	- ³	- ³	- ³	- ³
137	Little White Goat Creek	8/6/2002	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N
138	Little Woodtick Creek	7/30/2002	N	N	N	N	N	N	N	N	N	N	N	N	N	N
139	Lola Creek	6/28/2007	N	N	N	N	N	N	N	N	N	N	N	N	N	N
140	Lola Creek	6/28/2007	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N
141	Loon Creek	6/5/2007	Y	Y	N	N	N	N	N	N	N	N	N	N	N	Y
142	Loon Creek	6/5/2007	Y	Y	N	N	N	N	N	N	N	N	N	N	N	Y
143	Loon Creek	7/24/2007	Y	Y	Y	Y	N	N	Y	Y	N	N	N	N	N	Y
144	Loon Creek	7/24/2007	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	Y
145	Loon Creek	8/14/2006	Y	- ²	- ²	- ²	- ²	- ²	- ²	Y	- ²	- ²	- ²	- ²	Y	Y

¹ This site was sampled by the Idaho Department of Fish and Game specifically to collect fin clips from trout for genetic analysis. Other species may have been present but were not recorded.

² This site was sampled specifically to collect voucher specimens of non-game fish and/or mountain whitefish and data on other fish were not collected.

³ Occurrence data for this species was not provided for this sampling event.

Table 2 (Continued). Species occurrence in all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.

Site Code	Stream Name	Date Assessed	Fish Present	Steelhead/ Rainbow	Cutthroat	Bull	Brook	BrookxBull Hybrids	Chinook	Mountain Whitefish	Lamprey	Northern Pikeminnow	Sucker	Redside Shiner	Dace	Sculpin
146	Loon Creek	8/31/2005	Y	Y	Y	Y	N	N	Y	Y	N	N	N	N	N	Y
147	Loon Creek	8/31/2005	Y	Y	Y	Y	N	N	Y	Y	N	N	N	N	N	Y
148	Loon Creek	8/31/2005	Y	Y	Y	N	N	N	Y	Y	N	N	N	N	N	N
149	Loon Creek	7/22/2004	Y	Y	Y	Y	N	- ¹	N	- ¹	- ¹	- ¹	- ¹	- ¹	- ¹	- ¹
150	Marble Creek	8/2/2007	Y	Y	Y	N	N	N	Y	Y	N	N	N	N	Y	Y
151	Marble Creek	7/16/2004	Y	Y	Y	Y	N	- ¹	N	- ¹	- ¹	- ¹	- ¹	- ¹	- ¹	- ¹
152	Marble Creek	7/14/2005	Y	Y	N	N	- ³	- ³	Y	Y	- ³	N	N	N	- ³	- ³
153	Marsh Creek	6/25/2007	Y	N	N	N	Y	N	Y	N	N	N	N	N	N	Y
154	Marsh Creek	7/12/2007	Y	Y	N	N	Y	N	Y	Y	N	N	N	N	N	Y
155	Marsh Creek	7/17/2008	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y
156	Marsh Creek	8/4/2006	Y	N	Y	N	N	N	N	Y	N	N	N	N	N	N
157	Marsh Creek	8/4/2006	Y	Y	Y	Y	N	N	Y	Y	N	N	N	N	N	N
158	Marsh Creek	8/3/2006	Y	Y	N	N	Y	N	Y	N	N	N	N	N	N	Y
159	Marsh Creek	8/3/2006	Y	Y	Y	N	Y	N	Y	Y	N	N	N	N	N	N
160	Martindale Creek	8/20/2002	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N
161	Martindale Creek	8/20/2002	N	N	N	N	N	N	N	N	N	N	N	N	N	N
162	Mayfield Creek	7/23/2007	Y	Y	N	Y	N	Y	Y	Y	N	N	N	N	N	Y
163	Mayfield Creek	7/23/2007	Y	Y	N	Y	N	N	Y	Y	N	N	N	N	N	Y
164	Melville Creek	8/21/2002	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N
165	Middle Fork Salmon River	7/10/2007	Y	N	Y	N	N	N	N	N	N	N	N	N	Y	Y
166	Middle Fork Salmon River	7/6/2007	Y	N	N	N	N	N	Y	N	N	N	Y	N	Y	Y
167	Middle Fork Salmon River	7/27/2006	Y	Y	Y	Y	N	N	Y	Y	Y	N	Y	Y	Y	Y
168	Middle Fork Salmon River (Above Little Creek)	8/3/2007	Y	- ²	- ²	- ²	- ²	- ²	- ²	- ²	- ²	- ²	- ²	- ²	Y	Y
169	Middle Fork Salmon River (near Grouse Creek)	7/8/2007	Y	- ²	- ²	- ²	- ²	- ²	- ²	- ²	- ²	- ²	- ²	- ²	Y	Y
170	Middle Fork Salmon River (Mahoney Camp Site)	7/7/2007	Y	- ²	- ²	- ²	- ²	- ²	- ²	- ²	- ²	- ²	- ²	- ²	Y	Y
171	Middle Fork Salmon River (Marble Creek)	8/2/2007	Y	- ²	- ²	- ²	- ²	- ²	- ²	- ²	- ²	- ²	- ²	- ²	- ²	Y
172	Middle Fork Salmon River (MFSa 1)	10/24/2006	Y	- ⁴	- ⁴	- ⁴	- ⁴	- ⁴	- ⁴	- ⁴	Y	- ⁴	- ⁴	- ⁴	- ⁴	- ⁴

¹ This site was sampled by the Idaho Department of Fish and Game specifically to collect fin clips from trout for genetic analysis. Other species may have been present but were not recorded.

² This site was sampled specifically to collect voucher specimens of non-game fish and/or mountain whitefish and data on other fish were not collected.

³ Occurrence data for this species was not provided for this sampling event.

⁴ This site was sampled by the Idaho Department of Fish and Game specifically to collect lamprey. Other species may have been present but were not recorded.

Table 2 (Continued). Species occurrence in all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.

Site Code	Stream Name	Date Assessed	Fish Present	Steelhead/ Rainbow	Cutthroat	Bull	Brook	BrookxBull Hybrids	Chinook	Mountain Whitefish	Lamprey	Northern Pikeminnow	Sucker	Redside Shiner	Dace	Sculpin
173	Middle Fork Salmon River (MFSa 10a)	7/16/2005	Y	⁴	⁴	⁴	⁴	⁴	⁴	⁴	Y	⁴	⁴	⁴	⁴	⁴
174	Middle Fork Salmon River (MFSa 11a)	7/17/2005	Y	⁴	⁴	⁴	⁴	⁴	⁴	⁴	Y	⁴	⁴	⁴	⁴	⁴
175	Middle Fork Salmon River (MFSa 2)	10/24/2006	Y	⁴	⁴	⁴	⁴	⁴	⁴	⁴	Y	⁴	⁴	⁴	⁴	⁴
176	Middle Fork Salmon River (MFSa 3)	10/25/2006	Y	⁴	⁴	⁴	⁴	⁴	⁴	⁴	Y	⁴	⁴	⁴	⁴	⁴
177	Middle Fork Salmon River (MFSa 4)	10/26/2006	Y	⁴	⁴	⁴	⁴	⁴	⁴	⁴	Y	⁴	⁴	⁴	⁴	⁴
178	Middle Fork Salmon River (MFSa 5)	10/26/2006	Y	⁴	⁴	⁴	⁴	⁴	⁴	⁴	Y	⁴	⁴	⁴	⁴	⁴
179	Middle Fork Salmon River (MFSa 6)	10/26/2006	Y	⁴	⁴	⁴	⁴	⁴	⁴	⁴	Y	⁴	⁴	⁴	⁴	⁴
180	Middle Fork Salmon River (MFSa 7a)	7/15/2005	Y	⁴	⁴	⁴	⁴	⁴	⁴	⁴	Y	⁴	⁴	⁴	⁴	⁴
181	Middle Fork Salmon River (MFSa 8a)	7/15/2005	Y	⁴	⁴	⁴	⁴	⁴	⁴	⁴	Y	⁴	⁴	⁴	⁴	⁴
182	Middle Fork Salmon River (MFSa 9a)	7/16/2005	Y	⁴	⁴	⁴	⁴	⁴	⁴	⁴	Y	⁴	⁴	⁴	⁴	⁴
183	Middle Fork Salmon River (Mouth of Camas Creek)	7/8/2007	Y	²	²	²	²	²	²	²	Y	²	²	²	²	²
184	Middle Fork Salmon River (Little Creek Guard Station)	7/2007	Y	Y	Y	N	³	³	N	Y	³	Y	Y	N	³	³
185	Middle Fork Salmon River (Mahoney Camp)	7/2007	Y	N	Y	N	³	³	N	Y	³	Y	N	N	³	³
186	Middle Fork Salmon River (White Creek Pack Bridge)	7/2007	Y	Y	Y	N	³	³	N	Y	³	Y	Y	N	³	³
187	Middle Fork Salmon River (Bernard Airstrip)	7/2007	Y	Y	Y	N	³	³	N	N	³	N	Y	N	³	³
188	Middle Fork Salmon River (Boundary)	7/2007	Y	Y	Y	N	³	³	Y	Y	³	N	N	N	³	³
189	Middle Fork Salmon River (Gardells Hole)	7/2007	Y	Y	Y	N	³	³	Y	Y	³	N	N	N	³	³
190	Middle Fork Salmon River (Velvet)	7/2007	Y	Y	Y	Y	³	³	N	Y	³	N	N	N	³	³
191	Middle Fork Salmon River (Elkhorn)	7/2007	Y	Y	Y	N	³	³	N	Y	³	N	N	N	³	³
192	Middle Fork Salmon River (Sheepeater)	7/2007	Y	Y	Y	N	³	³	Y	Y	³	N	N	N	³	³
193	Middle Fork Salmon River (Greyhound)	07/12/05	Y	Y	Y	N	³	³	N	Y	³	N	N	N	³	³
194	Middle Fork Salmon River (Rapid River)	7/2007	Y	Y	Y	N	³	³	Y	Y	³	N	N	N	³	³
195	Middle Fork Salmon River (Indian)	7/2007	Y	Y	Y	N	³	³	Y	N	³	Y	N	N	³	³
196	Middle Fork Salmon River (Pungo)	7/2007	Y	N	Y	N	³	³	Y	Y	³	N	N	N	³	³

² This site was sampled specifically to collect voucher specimens of non-game fish and/or mountain whitefish and data on other fish were not collected.

³ Occurrence data for this species was not provided for this sampling event.

⁴ This site was sampled by the Idaho Department of Fish and Game specifically to collect lamprey. Other species may have been present but were not recorded

Table 2 (Continued). Species occurrence in all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.

Site Code	Stream Name	Date Assessed	Fish Present	Steelhead/ Rainbow	Cutthroat	Bull	Brook ³	BrookxBull Hybrids	Chinook	Mountain Whitefish	Lamprey	Northern Pikeminnow	Sucker	Reside Shiner	Dace	Sculpin
197	Middle Fork Salmon River (Marble Pool)	7/2007	Y	Y	Y	N	- ³	- ³	N	Y	- ³	Y	N	N	- ³	- ³
198	Middle Fork Salmon River (Skijump)	7/2007	Y	Y	Y	N	- ³	- ³	N	Y	- ³	N	N	N	- ³	- ³
199	Middle Fork Salmon River (Lower Jackass)	7/2007	Y	Y	Y	N	- ³	- ³	N	Y	- ³	Y	Y	N	- ³	- ³
200	Middle Fork Salmon River (Cougar)	7/2007	Y	N	Y	N	- ³	- ³	N	Y	- ³	- ³	- ³	N	- ³	- ³
201	Middle Fork Salmon River (Whitie Cox)	7/2007	Y	N	Y	N	- ³	- ³	N	Y	- ³	Y	Y	N	- ³	- ³
202	Middle Fork Salmon River (Rock Island)	7/2007	Y	Y	Y	N	- ³	- ³	N	Y	- ³	N	N	N	- ³	- ³
203	Middle Fork Salmon River (Hospital Pool)	07/15/05	Y	N	Y	N	- ³	- ³	Y	Y	- ³	Y	Y	N	- ³	- ³
204	Middle Fork Salmon River (Hospital Run)	07/15/05	Y	N	Y	N	- ³	- ³	Y	Y	- ³	Y	Y	N	- ³	- ³
205	Middle Fork Salmon River (Tappan Pool)	7/2007	Y	Y	Y	N	- ³	- ³	N	N	- ³	Y	Y	N	- ³	- ³
206	Middle Fork Salmon River (Flying B)	7/2007	Y	N	N	N	- ³	- ³	N	N	- ³	Y	Y	N	- ³	- ³
207	Middle Fork Salmon River (Airstrip)	7/2007	Y	N	N	N	- ³	- ³	N	Y	- ³	N	N	N	- ³	- ³
208	Middle Fork Salmon River (Survey)	7/2007	Y	Y	Y	N	- ³	- ³	N	N	- ³	N	N	N	- ³	- ³
209	Mystery Creek	6/5/2007	N	N	N	N	N	N	N	N	N	N	N	N	N	N
210	Norton Creek	7/17/2004	Y	Y	Y	N	N	- ¹	N	- ¹	- ¹	- ¹	- ¹	- ¹	- ¹	- ¹
211	Pine Creek	7/17/2004	Y	N	Y	N	N	- ¹	N	- ¹	- ¹	- ¹	- ¹	- ¹	- ¹	- ¹
212	Pioneer Creek	7/24/2007	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N
213	Pistol Creek	7/2007	Y	Y	Y	N	- ³	- ³	N	Y	- ³	N	N	N	- ³	- ³
214	Pistol Creek	7/2007	Y	Y	Y	N	- ³	- ³	N	Y	- ³	N	N	N	- ³	- ³
215	Pole Creek	8/21/2002	N	N	N	N	N	N	N	N	N	N	N	N	N	N
216	Prospect Creek	6/27/2007	Y	N	N	Y	N	N	N	N	N	N	N	N	N	Y
217	Pungo Creek	7/15/2004	Y	Y	Y	N	N	- ¹	N	- ¹	- ¹	- ¹	- ¹	- ¹	- ¹	- ¹
218	Pungo Creek	7/24/2007	Y	Y	Y	Y	N	N	Y	- ³	- ³	- ³	- ³	- ³	- ³	- ³
219	Rabbit Creek	6/6/2007	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N
220	Ranch Creek	7/5/2007	N	N	N	N	N	N	N	N	N	N	N	N	N	N
221	Ranch Creek	7/5/2007	N	N	N	N	N	N	N	N	N	N	N	N	N	N
222	Rapid River	7/30/2007	Y	Y	Y	Y	N	N	N	Y	N	N	N	N	N	Y

¹This site was sampled by the Idaho Department of Fish and Game specifically to collect fin clips from trout for genetic analysis. Other species may have been present but were not recorded.

³Occurrence data for this species was not provided for this sampling event.

Table 2 (Continued). Species occurrence in all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.

Site Code	Stream Name	Date Assessed	Fish Present	Steelhead/ Rainbow	Cutthroat	Bull	Brook	BrookxBull Hybrids	Chinook	Mountain Whitefish	Lamprey	Northern Pikeminnow	Sucker	Reside Shiner	Dace	Sculpin
223	Rapid River	7/16/2008	Y	²	²	²	²	²	²	²	²	²	²	²	²	Y
224	Rapid River	8/10/2008	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N
225	Rapid River	8/9/2008	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N
226	Rapid River	8/11/2008	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N
227	Rapid River	8/8/2008	Y	Y	Y	Y	N	N	N	Y	N	N	N	N	N	N
228	Rapid River	8/10/2008	Y	N	Y	Y	N	N	N	Y	N	N	N	N	N	N
229	Rapid River	8/10/2008	Y	N	Y	Y	N	N	Y	Y	N	N	N	N	N	N
230	Rapid River	8/9/2008	Y	Y	Y	Y	N	N	N	Y	N	N	N	N	N	Y
231	Rapid River	8/9/2008	Y	Y	Y	Y	N	N	N	Y	N	N	N	N	N	N
232	Rapid River	8/9/2008	Y	Y	Y	Y	N	N	N	Y	N	N	N	N	N	N
233	Rapid River	7/21/2008	Y	Y	Y	N	N	N	Y	Y	N	N	N	N	N	N
234	Rapid River	7/21/2008	Y	Y	Y	N	N	N	Y	Y	N	N	N	N	N	N
235	Rat Creek	6/19/2007	N	N	N	N	N	N	N	N	N	N	N	N	N	N
236	Rat Creek	6/19/2007	N	N	N	N	N	N	N	N	N	N	N	N	N	N
237	Seafoam Creek	6/27/2007	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	Y
238	Seafoam Creek	6/27/2007	Y	Y	Y	Y	Y	N	N	N	N	N	N	N	N	Y
239	Seafoam Creek	6/27/2007	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	Y
240	Seafoam Creek	7/12/2007	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	Y
241	Seafoam Creek	7/15/2008	Y	N	Y	Y	Y	N	N	N	N	N	N	N	N	Y
242	Seafoam Creek	8/8/2008	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	Y
243	Seafoam Creek	8/8/2008	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N
244	Shady Creek	7/16/2008	N	N	N	N	N	N	N	N	N	N	N	N	N	N
245	Shady Creek	8/9/2008	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N
246	Shake Creek	6/27/2007	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N
247	Sheep Creek	7/24/2006	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N
248	Sheep Creek	7/24/2006	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N
249	Sheep Creek	7/24/2006	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N
250	Sheep Creek	7/26/2006	Y	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y
251	Sheep Creek	8/6/2002	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N
252	Sheep Creek	7/18/2004	Y	Y	N	N	N	¹	N	¹	¹	¹	¹	¹	¹	¹

¹ This site was sampled by the Idaho Department of Fish and Game specifically to collect fin clips from trout for genetic analysis. Other species may have been present but were not recorded.² This site was sampled specifically to collect voucher specimens of non-game fish and/or mountain whitefish and data on other fish were not collected.

Table 2 (Continued). Species occurrence in all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.

Site Code	Stream Name	Date Assessed	Fish Present	Steelhead/ Rainbow	Cutthroat	Bull	Brook	BrookxBull Hybrids	Chinook	Mountain Whitefish	Lamprey	Northern Pikeminnow	Sucker	Reside Shiner	Dace	Sculpin
253	Sheep Creek	7/26/2007	Y	Y	N	N	N	N	N	N	- ³	- ³	N	N	Y	Y
254	Sheldon Creek	8/7/2002	N	N	N	N	N	N	N	N	N	N	N	N	N	N
255	Silver Creek	7/17/2008	N	N	N	N	N	N	N	N	N	N	N	N	N	N
256	Soilder Creek	7/26/2007	Y	Y	N	N	N	N	N	Y	- ³	- ³	N	N	N	N
257	South Fork Camas Creek	8/7/2002	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N
258	Spider Creek	8/8/2002	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N
259	Sulphur Creek	7/16/2008	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	Y
260	Sulphur Creek	7/16/2008	N	N	N	N	N	N	N	N	N	N	N	N	N	N
261	Sulphur Creek	7/10/2006	Y	Y	N	N	N	N	Y	N	N	N	N	N	N	N
262	Sulphur Creek	7/10/2006	Y	Y	N	N	N	N	N	N	N	N	N	N	N	Y
263	Sulphur Creek	7/18/2007	Y	Y	N	N	N	N	Y	N	N	N	N	N	N	Y
264	Sulphur Creek	7/18/2007	Y	Y	N	N	N	N	Y	Y	N	N	N	N	N	Y
265	Sulphur Creek	7/18/2007	Y	Y	N	N	N	N	Y	N	N	N	N	N	N	Y
266	Sulphur Creek	7/14/2004	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y
267	Sulphur Creek	8/11/2005	Y	Y	Y	N	N	N	Y	Y	N	N	N	N	N	N
268	Sulphur Creek	8/11/2005	Y	Y	Y	N	N	N	Y	Y	N	N	N	N	N	Y
269	Sulphur Creek	8/11/2005	Y	Y	Y	N	N	N	Y	Y	N	N	N	N	N	N
270	Swamp Creek	6/25/2007	Y	N	N	Y	Y	N	N	N	N	N	N	N	N	Y
271	Swamp Creek	7/17/2008	Y	N	N	Y	Y	N	Y	N	N	N	N	N	N	N
272	Thatcher Creek	6/21/2007	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N
273	Thatcher Creek	6/11/2008	Y	N	N	N	Y	N	N	N	N	N	N	N	N	Y
274	Thomas Creek	8/1/2007	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N
275	Thomas Creek	8/1/2007	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N
276	Thomas Creek	7/16/2004	Y	N	Y	N	N	- ¹	N	- ¹	- ¹	- ¹	- ¹	- ¹	- ¹	- ¹
277	Trail Creek	6/6/2007	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N
278	Trail Creek	6/6/2007	N	N	N	N	N	N	N	N	N	N	N	N	N	N
279	Trail Creek	6/6/2007	N	N	N	N	N	N	N	N	N	N	N	N	N	N
280	Trail Creek	6/6/2007	Y	Y	N	N	N	N	N	N	N	N	N	N	N	Y
281	Trail Creek	6/6/2007	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N

¹This site was sampled by the Idaho Department of Fish and Game specifically to collect fin clips from trout for genetic analysis. Other species may have been present but were not recorded.

³Occurrence data for this species was not provided for this sampling event.

Table 2 (Continued). Species occurrence in all sites assessed from 2002-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.

Site Code	Stream Name	Date Assessed	Fish Present	Steelhead/ Rainbow	Cutthroat	Bull	Brook	BrookxBull Hybrids	Chinook	Mountain Whitefish	Lamprey	Northern Pikeminnow	Sucker	Reside Shiner	Dace	Sculpin
282	Unnamed Tributary to Banner Creek	7/15/2008	Y	N	N	Y	Y	N	N	N	N	N	N	N	N	N
283	Unnamed Tributary to Bear Creek	6/27/2007	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	Y
284	Unnamed Tributary to Bear Creek	8/20/2008	Y	Y	N	Y	Y	Y	N	N	N	N	N	N	N	Y
285	Unnamed Tributary to Cape Horn Creek	6/11/2008	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N
286	Unnamed Tributary to Float Creek (Harlan Creek)	7/16/2008	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N
287	Unnamed Tributary to Kelly Creek	7/16/2008	N	N	N	N	N	N	N	N	N	N	N	N	N	N
288	Unnamed Tributary to Kelly Creek	7/17/2008	N	N	N	N	N	N	N	N	N	N	N	N	N	N
289	Unnamed Tributary to Kelly Creek	7/17/2008	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N
290	Unnamed Tributary to Kelly Creek	7/17/2008	Y	N	N	N	Y	N	N	N	N	N	N	N	N	N
291	Unnamed Tributary to Rapid River	7/16/2008	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N
292	Vader Creek	7/16/2008	N	N	N	N	N	N	N	N	N	N	N	N	N	N
293	Vanity Creek	7/30/2007	Y	N	N	Y	N	N	N	N	N	N	N	N	N	Y
294	Vanity Creek	7/15/2008	Y	N	Y	Y	N	N	N	N	N	N	N	N	N	N
295	Vanity Creek	8/12/2008	N	N	N	N	N	N	N	N	N	N	N	N	N	N
296	Vanity Creek	8/6/2008	Y	Y	N	Y	Y	N	N	N	N	N	N	N	N	N
297	Vanity Creek	8/12/2008	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N
298	Walker Creek	6/13/2007	N	N	N	N	N	N	N	N	N	N	N	N	N	N
299	Warm Spring Creek	7/25/2006	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N
300	Warm Spring Creek	7/25/2006	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N
301	Warm Spring Creek	7/18/2004	Y	Y	Y	N	N	- ¹	N	- ¹	- ¹	- ¹	- ¹	- ¹	- ¹	- ¹
302	West Fork Camas Creek	8/22/2002	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N
303	West Mayfield Creek	6/7/2007	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N
304	White Goat Creek	8/6/2002	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N
305	Wilson Creek	7/18/2004	Y	Y	Y	N	N	- ¹	N	- ¹	- ¹	- ¹	- ¹	- ¹	- ¹	- ¹
306	Wilson Creek	7/27/2007	Y	Y	Y	Y	N	N	N	Y	- ³	- ³	N	N	Y	Y
307	Winnemucca Creek	6/26/2007	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N
308	Winnemucca Creek	6/26/2007	Y	N	N	Y	N	Y	N	N	N	N	N	N	N	N
309	Winnemucca Creek	7/30/2007	Y	Y	N	N	Y	N	Y	N	N	N	N	N	N	Y
310	Woodtick Creek	7/30/2002	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N

¹ This site was sampled by the Idaho Department of Fish and Game specifically to collect fin clips from trout for genetic analysis. Other species may have been present but were not recorded.

³ Occurrence data for this species was not provided for this sampling event.

Table 3. Species densities in all sites assessed from 2006-2008 on the Middle Fork Ranger District, Salmon-Challis National Forest.

Site Code	Stream Name	Date Assessed	Sampling Method	Number of Passes	Fish Present	Fish Density (Fish/100 m ²)							Total Fish Density
						Steelhead/ Rainbow	Cutthroat	Bull	Brook	Brook/Bull Hybrids	Whitefish	Chinook	
56	Cape Horn Creek	8/20/2007	E-Fish	2	Y	0.9	-	0.7	3.8	0.5	-	-	5.9
57	Cape Horn Creek	8/20/2008	E-Fish	2	Y	0.3	-	0.4	1.3	0.9	-	-	2.9
83	East Mayfield Creek	8/21/2007	E-Fish	2	Y	8.0	-	0.5	-	-	-	-	8.5
250	Sheep Creek	7/26/2006	E-Fish	3	Y	3.6	0.3	-	-	-	-	-	3.9
284	Unnamed Tributary to Bear Creek	8/20/2008	E-Fish	2	Y	0.5	-	3.7	0.2	0.5	-	-	4.9

Table 4. Voucher specimens collected from the Middle Fork Ranger District, Salmon-Challis National Forest. Unless noted otherwise, all specimens are deposited in the Orma J. Smith Museum of Natural History at the College of Idaho.

Site Code	Stream Name	Zone	Easting	Northing	Site Type	Date Assessed	Species	Number of Fish
34	Brush Creek	11	678149	4980547	Voucher Only	7/26/2006	Longnose Dace	1
58	Cape Horn Creek	11	645442	4916556	Standard	7/17/2008	Shorthead Sculpin	25
119	Knapp Creek	11	659391	4919651	Standard	6/26/2007	Shorthead Sculpin	48
145	Loon Creek	11	673162	4963646	Voucher Only	8/14/2006	Longnose Dace	20
							Mountain Whitefish	5
							Sculpin ¹	20
150	Marble Creek	11	659633	4959791	Standard	8/2/2007	Shorthead Sculpin	38
							Longnose Dace	10
155	Marsh Creek	11	650188	4912543	Standard	7/17/2008	Shorthead Sculpin	17
165	Middle Fork Salmon River (below Big Creek)	11	678760	4997598	Standard	7/10/2007	Mottled Sculpin	10
							Shorthead Sculpin	1
							Speckled Dace	6
							Longnose Dace	9
							Dace (unidentifiable)	2
166	Middle Fork Salmon River (above Indian Creek)	11	649422	4957576	Standard	7/6/2007	Shorthead Sculpin	3
							Mottled Sculpin	13
							Bridgelip Sucker	1
							Longnose Dace	2
167	Middle Fork Salmon River (mouth of Bernard Creek)	11	678573	4982486	Standard	7/27/2006	Mottled Sculpin	17
							Speckled Dace	7
							Longnose Dace	6
							Bridgelip Sucker	2
							Largescale Sucker	4
							Pacific Lamprey	3
							Redside Shiner	1
168	Middle Fork Salmon River (near Little Creek)	11	658541	4954005	Voucher Only	8/3/2007	Mottled Sculpin	12
							Longnose Dace	6
169	Middle Fork Salmon River (near Grouse Creek)	11	676413	4970939	Voucher Only	7/8/2007	Mottled Sculpin	13
							Speckled Dace	1
							Longnose Dace	4

¹The sculpin collected from this site will be sent to Brigham Young University for genetic analysis. Species identifications for these fish are not available at this time.

Table 4 (Continued). Voucher specimens collected from the Middle Fork Ranger District, Salmon-Challis National Forest. Unless noted otherwise, all specimens are deposited in the Orma J. Smith Museum of Natural History at the College of Idaho.

Site Code	Stream Name	Zone	Easting	Northing	Site Type	Date Assessed	Species	Number of Fish
170	Middle Fork Salmon River (near Mahoney Creek)	11	664995	4957193	Voucher Only	7/7/2007	Shorthead Sculpin	1
							Mottled Sculpin	15
							Longnose Dace	2
171	Middle Fork Salmon River (mouth of Marble Creek)	11	657037	4956234	Voucher Only	8/2/2007	Mottled Sculpin	19
183	Middle Fork Salmon River (mouth of Camas Creek)	11	679908	4973235	Voucher Only	7/8/2007	Pacific Lamprey	5
223	Rapid River	11	653053	4938577	Voucher Only	7/16/2008	Shorthead Sculpin	13
250	Sheep Creek	11	677691	4978422	Standard	7/26/2006	Shorthead Sculpin	23
							Longnose Dace	1
262	Sulphur Creek	11	634739	4934061	Standard	7/10/2006	Shorthead Sculpin	8

APPENDIX C – RAW SITE DATA

Site Code	1
Tracking Code	2007-V-02
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Allen Creek
UTM Zone	11
UTM Easting	644116
UTM Northing	4921120
Date of Assessment	07/13/2007
Time	09:40
Observers	M.Jeffress, E. Tillotson, C.Farmer, T.Brewer
Length	100
Width 1	1.1
Width 2	1.7
Width 3	0.4
Width 4	0.75
Width 5	1
Width 6	0.9
Width 7	1.5
Width 8	0.7
Width 9	1.1
Width 10	0.9
Air Temperature	15
Water Temperature	8.4
DETERMINATION	Perennial Flow - No Suitable Fish Habitat - No Additional Sampling Needed
Comments	Multiple fish barriers.

Site Code 2
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, Esselman et al. (2008)

Site Code	3
Tracking Code	2007-16
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Asher Creek
Site Description	Site located ≈250m above road crossing.
UTM Zone	11
UTM Easting	650055
UTM Northing	4916487
Date of Assessment	6/20/2007
Time	12:36
Observers	M.Jeffress, C.Farmer
Length	50
Width 1	3.3
Width 2	2.8
Width 3	1.9
Width 4	1.8
Width 5	1.6
Air Temperature	26.3
Water Temperature	12.2
Sampling Method	E-Fish
Number of shockers	1
Number of Netters	1
Number of Passes	1
Species 1	Brook
Nongame fish present	Sculpin
Comments	(2-Unidentified frogs; Pic 101-4313, 101-4314). Very low flow.

Pass #1
Brook Trout
132
125
113
102
102
87
86
81

73
69
65
61
44
41
40
37
34
33
33
32
32
32
32
31
31
31
31
30
27
26
24

Site Code	4
Tracking Code	2008-1
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Ayers Creek, upper site
Site Description	≈150 m from where creek intersects road
UTM Zone	11
UTM Easting	633704
UTM Northing	4924063
Date of Assessment	6/10/2008
Time	14:31
Observers	T. Brewer, E. Tillotson
Length	100
Width 1	1.5
Width 2	1.3
Width 3	2.7
Width 4	2.3
Width 5	1.6
Width 6	1.2
Width 7	1.9
Width 8	1
Width 9	0.9
Width 10	1.3
Air Temperature	6.4
Water Temperature	8.8
Sampling Method	E-fish
Number of Shockers	1
Number of Netters	1
Number of Passes	1
Comments	No fish.

Site Code 5
 Tracking Code 2008-2
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Ayers Creek, lower site
 Site Description 75 m from end of road is where reach begins
 UTM Zone 11
 UTM Easting 634346
 UTM Northing 4921737
 Date of Assessment 6/10/2008
 Time 16:03
 Observers T. Brewer, E. Tillotson
 Length 100
 Width 1 1.6
 Width 2 2
 Width 3 3
 Width 4 2.4
 Width 5 3.6
 Width 6 2.6
 Width 7 1.4
 Width 8 4.7
 Width 9 1.7
 Width 10 1.6
 Air Temperature 5.3
 Water Temperature 11.2
 Sampling Method E-fish
 Number of Shockers 1
 Number of Netters 1
 Number of Passes 1
 Species 1 **Brook**
 Species 2 **Rainbow**
 Nongame Fish Present **Speckled Dace**

Pass #1

Rainbow Trout	Brook Trout	Speckled Dace
97	183	60
	169	62
	141	67
	133	68
	127	79
	125	85
	117	
	114	

Site Code 6
 Tracking Code 2008-3
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Baldwin Creek
 Site Description Site begins \approx 10 m above remains of old footbridge, \approx 40 m from old house where two-track road ends
 UTM Zone 11
 UTM Easting 653114
 UTM Northing 4933070
 Date of Assessment 7/16/2008
 Time 16:20
 Observers T. Brewer, E. Tillotson, J. Way, E. Kern
 Length 50
 Width 1 2.6
 Width 2 3.9
 Width 3 2.3
 Width 4 3.2
 Width 5 3
 Air Temperature 23.3
 Water Temperature 8.3
 Sampling Method E-Fish
 Number of Shockers 1
 Number of Netters 2
 Number of Passes 1
 Species 1 **Bull**

Pass #1

Bull Trout
 113
 146
 79
 114
 100
 80
 137
 71
 81
 68
 65

Site Code

Tracking Code 7
 2008-4
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Bear Creek
 Site Description Site begins about 3 m above bridge on road to Langer Monument/Vanity Summit/Seafoam Guard Station
 (Road #008)
 UTM Zone 11
 UTM Easting 651292
 UTM Northing 4924550
 Date of Assessment 7/15/2008
 Time 13:15
 Observers B. Gamett, T. Mangan, M. McKelvey
 Length 85
 Width 1 2.6
 Width 2 2.5
 Width 3 2.3
 Width 4 2.3
 Width 5 2.4
 Width 6 2.5
 Width 7 1.9
 Width 8 2.4
 Width 9 2.5
 Air Temperature 27.1
 Water Temperature 9.9
 Sampling Method E-fish
 Number of Shockers 1
 Number of Netters 3 (2 regular netters plus shocker operator was netting)
 Number of Passes 1
 Species 1 **Bull**
 Species 2 **BrookxBull**
 Comments Adult tailed frogs and tailed frog larvae present (adults are photos 5755-5760). Two adults were photographed. Most of section has been channelized to keep it off the road.

Pass #1

Bull Trout BkxBl Hybrid
 153 163
 154
 156
 141
 104

Site Code 8
Tracking Code 2008-5
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Bear Creek
Site Description Site starts approximately 5 m upstream of bridge on road #008
UTM Zone 11
UTM Easting 651206
UTM Northing 4922787
Date of Assessment 7/15/2008
Time 12:00
Observers B. Gamett, T. Mangan, M. McKelvey
Length 63
Width 1 4.2
Width 2 3.9
Width 3 3.4
Width 4 4.2
Width 5 3.2
Air Temperature 26.2
Water Temperature 9.4
Sampling Method E-fish
Number of Shockers 1
Number of Netters 3 (2 regular netters plus shocker operator netting)
Number of Passes 1
Species 1 **Rainbow**
Species 2 **Bull**
Species 3 **Whitefish**
Species 4 **Chinook**
Nongame Fish Present **Sculpin**
Comments Tailed frog larvae present

Pass #1

Rainbow Trout	Bull Trout	Mountain Whitefish	Chinook Salmon
159	189	256	101

Site Code 9
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, Esselman et al. (2008)

Site Code 10
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, Esselman et al. (2008)

Site Code 11
Tracking Code 2007-31
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Beaver Creek
Site Description Reach begins at road crossing
UTM Zone 11
UTM Easting 661681
UTM Northing 4928547
Date of Assessment 6/26/2007
Time 13:20
Observers M. Jeffress, T. Brewer, C. Farmer
Length 50
Width 1 3.75
Width 2 2.2
Width 3 2.9
Width 4 2.8
Width 5 3.5
Air Temperature 20.7
Water Temperature 8.8
Sampling Method E-Fish
Number of shockers 1
Number of Netters 1
Number of Passes 1
Species 1 **Bull**

Comments Tailed frog tadpoles

Pass #1

Bull Trout
128
124
124
118
101
99
78
78
73
67

Site Code

Tracking Code 12
Ranger District 2007-21
Watershed Middle Fork
Stream Middle Fork Salmon
Site Description Beaver Creek
UTM Zone Top of reach is located 30 meters below confluence of Cliff Creek & Beaver Creek
UTM Easting 11
UTM Northing 657537
Date of Assessment 4926230
Time 6/21/2007
Observers 9:45
Length M.Jeffress, T.Brewer, E.Tillotson, C.Farmer
Width 1 100
Width 2 5.9
Width 3 6.4
Width 4 7.4
Width 5 8.15
Width 6 8.95
Width 7 7.7
Width 8 6.5
Width 9 8.2
Width 10 5.1
Air Temperature 7
Water Temperature 17.2
Sampling Method 6.4
Number of shockers E-Fish
Number of Netters 1
Number of Passes 3
Species 1 Brook
Species 2 Bull
Nongame fish present Sculpin
Comments Tailed frog tadpoles present.

Pass #1

Brook Trout Bull Trout
141 205
204
172

Site Code 13
 Tracking Code 2007-55
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Beaver Creek
 Site Description Reach is located 25 m below bridge
 UTM Zone 11
 UTM Easting 647297
 UTM Northing 4919240
 Date of Assessment 7/12/2007
 Time 13:33
 Observers B.Gamett, M.Jeffress, M.Perkins, C.Farmer, T.Brewer, E.Tillotson
 Length 100
 Width 1 21
 Width 2 21.3
 Width 3 23
 Width 4 22.9
 Width 5 23.5
 Width 6 22.8
 Width 7 21.5
 Width 8 19
 Width 9 16.8
 Width 10 17.9
 Air Temperature 30
 Water Temperature 28.9
 Sampling Method E-Fish
 Number of Shockers 2
 Number of Netters 4
 Number of Passes 1
 Species 1 **Rainbow**
 Species 2 **Chinook**
 Species 3 **BrookxBull**
 Species 4 **Unidentified Salmonid**
 Nongame Fish Present **Sculpin**
 Comments Tailed frogs/tadpoles.

Pass #1	Rainbow Trout	Chinook Salmon	BkxBI Hybrid	Unidentified Salmonid
	147	65	142	29
	115	64		31
	99	63		31
	89	63		32
	60	63		32
		62		30
		59		33
		58		31
		58		30
		57		34
		55		31
		53		31

Site Code	14
Tracking Code	2007-74
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Beaver Creek
Site Description	Site is located below tributary coming in from right bank
UTM Zone	11
UTM Easting	655157
UTM Northing	4922488
Date of Assessment	7/30/2007
Time	13:54
Observers	M.Jeffress, T.Brewer, E.Tillotson, C.Farmer
Length	89.6
Width 1	10.9
Width 2	14.5
Width 3	13.5
Width 4	6.2
Width 5	8.2
Width 6	9.5
Width 7	7.2
Width 8	9.3
Width 9	9.5
Width 10	11.1
Air Temperature	31
Water Temperature	15.5
Sampling Method	E-Fish
Number of Shockers	2
Number of Netters	2
Number of Passes	1
Species 1	Rainbow
Species 2	Brook
Species 3	Bull
Species 4	Chinook
Nongame Fish Present	Sculpin
Comments	Tailed frog adults and tadpoles

Pass #1	Rainbow Trout	Brook Trout	Bull Trout	Chinook Salmon
	187	129	120	83
	171	121	109	80
	162	106	84	77
	147	102		75
	140			73
	140			72
	126			72
	99			71
	98			64
	83			63
	79			

Site Code	15
Tracking Code	2007-75
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Beaver Creek
Site Description	reach begins at end of 4-wheeler trail
UTM Zone	11
UTM Easting	650823
UTM Northing	4921906
Date of Assessment	7/30/2007
Time	14:50
Observers	M.Jeffress, T.Brewer, E.Tillotson, C.Farmer
Length	100
Width 1	12.9
Width 2	13.9
Width 3	12.7
Width 4	13.6
Width 5	11.9
Width 6	11.2
Width 7	8
Width 8	8.6
Width 9	9.4
Width 10	13.5
Air Temperature	31
Water Temperature	18.5
Sampling Method	E-Fish
Number of Shockers	2
Number of Netters	2
Number of Passes	1
Species 1	Rainbow
Species 2	Brook
Species 3	Chinook
Nongame Fish Present	Sculpin
Comments	Tailed frogs, tailed frog tadpoles. Multiple brook trout missed.

Pass #1	Rainbow Trout	Brook Trout	Chinook Salmon
	161	150	93
	144		84
			79
			79
			79
			75
			74
			73
			71
			71
			71
			70

Site Code	16
Tracking Code	2007-49
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Bench Creek
UTM Zone	11
UTM Easting	641732
UTM Northing	4907823
Date of Assessment	7/13/2007
Time	12:55
Observers	M.Jeffress, T.Brewer, E.Tillotson, C.Farmer
Length	100
Width 1	2.9
Width 2	2.5
Width 3	3.8
Width 4	3.6
Width 5	3.1
Width 6	3.6
Width 7	3.7
Width 8	4.4
Width 9	3.3
Width 10	2.35
Air Temperature	32.5
Water Temperature	12.3
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	2
Number of Passes	1
Species 1	Brook
Nonegame Fish Present	Sculpin
Comments	Tailed frog tadpoles

Pass #1
 Brook Trout
 161
 156
 154
 94
 42

Site Code	17
Tracking Code	2008-6
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Bench Creek
Site Description	Reach begins 50 m above where creek flows under bridge.
UTM Zone	11
UTM Easting	640833
UTM Northing	4908974
Date of Assessment	6/11/2008
Time	8:50
Observers	T. Brewer, E. Tillotson
Length	100
Width 1	5.1
Width 2	4.3
Width 3	5.4
Width 4	6.1
Width 5	6
Width 6	4.1
Width 7	6.2
Width 8	5.1
Width 9	4.6
Width 10	4.5
Air Temperature	-1.6
Water Temperature	1.4
Sampling Method	E-fish
Number of Shockers	1
Number of Netters	1
Number of Passes	1
Species 1	Brook

Nonegame Fish Present
Comments

Sculpin

Pass #1

Brook Trout
112

Site Code

18

Tracking Code 2006-05
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Bernard Creek
Site Description Approximately 150 m above confluence with middle fork Salmon.
UTM Zone 11
UTM Easting 678486
UTM Northing 4982544
Date of Assessment 7/26/2006
Time 13:00
Observers M.Haroldsen, T.Brewer
Length 100
Width 1 2.5
Width 2 1.6
Width 3 3.1
Width 4 1.6
Width 5 2
Width 6 1.6
Width 7 1.9
Width 8 1.8
Width 9 1.55
Width 10 2.4
Air Temperature 38.5
Water Temperature 23.9
Sampling Method E-fish
Number of Shockers 1
Number of Netters 1
Number of Passes 1
Comments No fish. Water is extremely warm-very little if any riparian along the sides of creek bank

Site Code

19

Tracking Code 2006-06
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Bernard Creek
Site Description Approximately 1/2 mile above confluence with the Middle Fork
UTM Zone 11
UTM Easting 677963
UTM Northing 4982712
Date of Assessment 7/26/2006
Time 11:45
Observers M.Haroldsen, T.Brewer
Length ≈110
Width 1 1.2
Width 2 2.1
Width 3 1.2
Width 4 2.35
Width 5 2.9
Width 6 2.6
Width 7 1.7
Width 8 1.6
Width 9 1.7
Width 10 1.6
Air Temperature 36.3
Water Temperature 22.2
Sampling Method E-fish
Number of Shockers 1
Number of Netters 1
Number of Passes 1
Comments No fish-we used a lot of electricity to verify. 1 tailed frog tadpole. No invertebrates and very poor habitat. All fish habitat destroyed by fire & blowout.

Site Code **20**
 Tracking Code 2008-7
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Bernard Creek
 Site Description 1.3 km above split in trail (where Bernard and Duffield trails split off).
 UTM Zone 11
 UTM Easting 659596
 UTM Northing 4934778
 Date of Assessment 7/16/2008
 Time 11:27
 Observers T. Brewer, E. Tillotson, J. Way, E. Kern
 Length 50
 Width 1 2.4
 Width 2 2
 Width 3 3.3
 Width 4 3.5
 Width 5 3.4
 Air Temperature 21.3
 Water Temperature 7.7
 Sampling Method E-Fish
 Number of Shockers 1
 Number of Netters 2
 Number of Passes 1
 Species 1 **Bull**
 Species 2 **Cutthroat**
 Nongame Fish Present **Sculpin**
 Comments Tadpoles present.

Pass #1

Bull Trout	Cutthroat Trout
119	138

Site Code **21**

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, Esselman et al. (2008)

Site Code **22**
 Tracking Code 2006-V-01
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Blue Moon Creek
 Site Description Blue Moon above pipeline diversion.
 UTM Zone 11
 UTM Easting 629208
 UTM Northing 4933285
 Date of Assessment 7/11/2006
 Time 16:20
 Observers M.Haroldsen, T.Brewer, M.Hallowell
 Length ≈50
 Width 1 2.65
 Width 2 1.7
 Width 3 1.9
 Width 4 2.1
 Width 5 2.8
 Width 6 1.75
 Width 7 2.7
 Width 8 1.7
 Width 9 2.6
 Width 10 2.5
 Air Temperature 30.4
 Water Temperature 10.6
DETERMINATION **Perennial Flow - No Suitable Fish Habitat - No Additional Sampling Needed**
 Comments This is a high gradient stream with large plunge pools with high velocities over boulders. This creek is just a complex of fish barriers

Site Code	23
Tracking Code	2006-01
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Blue Moon
Site Description	Blue Moon immediately above Sulphur creek trail-below dam diversion
UTM Zone	11
UTM Easting	628883
UTM Northing	4932795
Date of Assessment	7/11/2006
Time	14:00
Observers	M.Haroldsen, M.Hallowell, T.Brewer
Length	50
Width 1	1.15
Width 2	1
Width 3	1.2
Width 4	0.9
Width 5	1.1
Air Temperature	29.9
Water Temperature	13.5
Sampling Method	E-fish
Number of Shockers	1
Number of Netters	1
Number of Passes	1
Comments	No fish. This is what is left of the creek; the natural channel has been completely diverted and water from the creek is flowing all over the side of the mountain. The creek has been moved from original channel to accommodate airstrip.

Site Code	24
Tracking Code	2007-64
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Blue Moon Creek
Site Description	50 meter reach above point of diversion
UTM Zone	11
UTM Easting	629205
UTM Northing	4933340
Date of Assessment	7/19/2007
Time	9:26
Observers	M.Jeffress, T.Brewer, C.Farmer, E.Tillotson
Length	50
Width 1	2.1
Width 2	2.2
Width 3	2.6
Width 4	2.5
Width 5	1.4
Air Temperature	13.3
Water Temperature	8.2
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	2
Number of Passes	1
Comments	No Fish. Tailed frogs and tailed frog tadpoles.

Site Code **25**
Tracking Code 2007-V-04
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Blue Moon Creek
Site Description 39 m below new-found diversion
UTM Zone 11
UTM Easting 629228
UTM Northing 4932980
Date of Assessment 7/19/2007
Time 10:19
Observers M.Jeffress, T.Brewer, E.Tillotson, C.Farmer
Length 50
Width 1 1.2
Width 2 0.9
Width 3 1.5
Width 4 1.8
Width 5 1.3
Width 6 1.2
Width 7 1.5
Width 8 0.7
Width 9 1.8
Width 10 1.1
Air Temperature 21.5
Water Temperature 11.9
DETERMINATION No Perennial Flow - No Additional Work Needed

Site Code **26**
Tracking Code 2007-V-05
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Blue Moon Creek
Site Description at diversion #1
UTM Zone 11
UTM Easting 629171
UTM Northing 4932877
Date of Assessment 7/19/2007
Time 11:00
Observers M.Jeffress, C.Farmer, T.Brewer, E.Tillotson
Air Temperature 21
Water Temperature 14.6
DETERMINATION No Perennial Flow - No Additional Work Needed
Comments Dry, stream went subsurface below diversion number 1

Site Code **27**
Tracking Code 2008-8
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Boundary Creek
Site Description Top of reach is 10 m below road crossing
UTM Zone 11
UTM Easting 635169
UTM Northing 4931565
Date of Assessment 7/15/2008
Time 13:09
Observers T. Brewer, E. Tillotson, J.Way, E. Kern
Length 50
Width 1 4.3
Width 2 3.8
Width 3 3
Width 4 3.6
Width 5 4.1
Air Temperature 31.2
Water Temperature 13.5
Sampling Method E-Fish
Number of Shockers 1
Number of Netters 3
Number of Passes 1
Species 1 **Rainbow**
Species 2 **Bull**

Species 3
Species 4

**Cutthroat
CutthroatxRainbow**

Pass #1

Rainbow Trout	Bull Trout	Cutthroat Trout	CtxRb Hybrid
167	121	195	195
164	117	169	128
162	112	102	
150		95	
142		85	
139			
132			
127			
126			
126			
125			
123			
120			
120			
115			
110			
107			
103			
103			
102			
100			
98			
94			
92			
92			
90			
90			
88			
88			
88			
88			
82			
79			

Site Code

28

Tracking Code	2006-02
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Brush Creek
Site Description	60 m above diversion (beginning after large pool)
UTM Zone	11
UTM Easting	677513
UTM Northing	4980627
Date of Assessment	7/25/2006
Time	14:34
Observers	M.Jeffress, J.Pyron, M.Tillotson
Length	60
Width 1	4.7
Width 2	6.7
Width 3	6.5
Width 4	5.8
Width 5	6.4
Width 6	5.6
Air Temperature	36.4
Water Temperature	21.1
Sampling Method	E-fish
Number of Shockers	1
Number of Netters	1
Number of Passes	1
Species 1	CutthroatxRainbow
Comments	Two batteries died while shocking reach

Pass #1

CtxRb Hybrid
158

136
119

Site Code	29
Tracking Code	2006-03
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Brush Creek
Site Description	Brush Creek above sheep creek trail crossing
UTM Zone	11
UTM Easting	678276
UTM Northing	4980455
Date of Assessment	7/27/2006
Time	19:30
Observers	M.Jeffress, M.Haroldsen, T.Brewer
Length	50
Width 1	2
Width 2	5.3
Width 3	4.1
Width 4	5
Width 5	4.75
Width 6	4.3
Air Temperature	23.8
Water Temperature	21.6
Sampling Method	E-fish
Number of Shockers	1
Number of Netters	1
Number of Passes	1
Species 1	Whitefish
Species 2	CutthroatRainbow
Nongame Fish Present	Longnose Dace (194)
Comments	YOY present (47)

Pass #1

Mountain Whitefish	CtxRb Hybrid
251	342
225	299
221	249
211	244
206	214
179	

Site Code	30
Tracking Code	2006-04
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Brush Creek
Site Description	≈400 meters above the Flying B Ranch, below diversion
UTM Zone	11
UTM Easting	678045
UTM Northing	4980624
Date of Assessment	7/26/2006
Time	09:03
Observers	M.Haroldsen, T.Brewer
Length	56
Width 1	5.5
Width 2	2.9
Width 3	5.2
Width 4	5.7
Width 5	4.2
Width 6	4.4
Air Temperature	17.2
Water Temperature	16.1
Sampling Method	E-fish
Number of Shockers	1
Number of Netters	1
Number of Passes	1
Species 1	Rainbow
Species 2	Cutthroat
Species 3	Whitefish

Species 4
 Nongame Fish Present
 Comments

**CutthroatxRainbow
 Longnose Dace (96)**
 Invertebrates were seen. YOY (52, 50, 44, 30, 36, 32, 46, 30, 40)

Pass #1

Rainbow Trout	Cutthroat Trout	Mountain Whitefish	CtxRb Hybrid
226	272	348	164
224	270	234	
	219	228	
	200	220	
		210	
		208	
		206	
		142	

Site Code

31
 Tracking Code 2007-83
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Brush Creek
 Site Description Site begins 10 m approximately from the mouth and ends 94 yards upstream.
 UTM Zone 11
 UTM Easting 678780
 UTM Northing 4980356
 Date of Assessment 11/1/2007
 Time 9:00
 Observers J.Vacirca, M.Perkins, J.Gregory
 Length 86
 Width 1 5
 PH 9.75
 Conductivity 90
 Sampling Method E-Fish
 Number of Shockers 1
 Number of Netters 2
 Number of Passes 1
 Species 1 **Rainbow**
 Comments Width was estimated.

Pass #1

Rainbow Trout
178
140
136
133
111
110
96
96
95
94
78

Site Code	32
Tracking Code	2007-84
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Brush Creek
Site Description	Site begins 1/2 mile upstream from diversion.
UTM Zone	11
UTM Easting	676683
UTM Northing	4980771
Date of Assessment	11/1/2007
Time	9:30
Observers	J.Vacirca, J.Gregory, M.Perkins
Length	200
Width 1	5
PH	9.75
Conductivity	90
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	2
Number of Passes	1
Species 1	Rainbow
Species 2	Cutthroat
Species 3	CutthroatxRainbow
Comments	Width was estimated.

Pass #1

Rainbow Trout	Cutthroat Trout	CtxRb Hybrid
291	275	270
275	275	200
243	260	200
226	234	195
226	228	190
182	223	175
180	223	162
111	223	157
82	221	126
80	221	92
78	220	
	213	
	207	
	196	
	194	
	191	
	190	
	190	
	190	
	180	
	180	
	180	
	177	
	176	
	174	
	172	
	170	
	165	
	165	
	162	
	160	
	157	
	154	
	154	
	142	

Site Code	33
Tracking Code	2007-85
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Brush Creek
Site Description	1 mile above diversion
UTM Zone	11
UTM Easting	675701
UTM Northing	4980507
Date of Assessment	11/1/2007
Observers	J.Vacirca, J.Gregory, M.Perkins
Length	100
Width 1	5
PH	9.75
Conductivity	90
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	2
Number of Passes	1
Species 1	Rainbow
Species 2	Cutthroat
Species 3	CutthroatxRainbow
Comments	Width was estimated

Pass #1

Rainbow Trout	Cutthroat Trout	CtxRb Hybrid
79	280	228
75	233	176
75	232	175
72	230	160
70	229	150
60	227	150
60	225	145
79	221	132
75	221	132
75	205	131
72	170	128
70	170	
60	166	
60	165	
	165	
	162	
	161	
	161	
	159	
	157	
	155	
	155	
	155	
	150	
	146	
	145	
	141	
	135	
	135	
	135	
	134	
	126	
	125	
	122	
	120	
	115	
	110	
	107	
	78	
	77	

Site Code	34
Tracking Code	2006-Voucher-5
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Brush Creek
UTM Zone	11
UTM Easting	678149
UTM Northing	4980547
Date of Assessment	7/26/2006
Sampling Method	E-Fish
Nongame Fish Present	Longnose Dace
Comments	Voucher specimen collection site only.

Site Code **35**
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, Esselman et al. (2008)

Site Code **36**
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, Curet et al. (in progress)

Site Code **37**
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, Curet et al. (in progress)

Site Code **38**
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, Curet et al. (in progress)

Site Code **39**
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, Curet et al. (in progress)

Site Code **40**
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, Curet et al. (in progress)

Site Code **41**
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, Curet et al. (in progress)

Site Code	42
Tracking Code	2006-07
Ranger District	Middle Fork
Watershed	M.F. Salmon
Stream	Cache Creek
Site Description	above diversion
UTM Zone	11
UTM Easting	673868
UTM Northing	4963359
Date of Assessment	8/14/2006
Time	12:15
Observers	M.Foster, J.Pyron
Length	100
Width 1	3.9
Width 2	4.2
Width 3	5.4
Width 4	3.7
Width 5	2
Width 6	4.1
Width 7	2.6
Width 8	3.7
Width 9	3.4
Width 10	6.1
Air Temperature	22.8
Water Temperature	11.3
Sampling Method	E-fish
Number of Shockers	1
Number of Netters	1
Number of Passes	1
Species 1	Bull
Species 2	CutthroatxRainbow
Comments	Tailed frogs and tadpoles observed. Fish ≈150mm fell out of hands while measuring

Pass #1

Bull Trout	CtxRb Hybrid
152	186
101	179
91	172
	167
	163
	156
	150
	149
	147
	140
	134
	132
	131
	124
	108
	102
	101
	101
	95
	92
	87
	84
	82
	81
	77
	75
	75

Site Code 43
 Tracking Code 2006-08
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Cache Creek
 Site Description Cache Creek below diversion
 UTM Zone 11
 UTM Easting 673637
 UTM Northing 4963061
 Date of Assessment 8/14/2006
 Time 12:55
 Observers M.Haroldsen, J.Pyron, M.Foster
 Length 100
 Width 1 3.6
 Width 2 2.2
 Width 3 1.2
 Width 4 5.6
 Width 5 1.8
 Width 6 1.2
 Width 7 2.2
 Width 8 4.6
 Width 9 2.6
 Width 10 4.4
 Air Temperature 17.2
 Water Temperature 11.7
 Sampling Method E-fish
 Number of Shockers 1
 Number of Netters 1
 Number of Passes 1
 Species 1 **Rainbow**
 Species 2 **Brook**
 Species 3 **Bull**
 Species 4 **CutthroatxRainbow**
 Comments YOY fish observed. Tailed frog tadpoles & adults also observed.

Pass #1	Rainbow Trout	Brook Trout	Bull Trout	CtxRb Hybrid
	125	138	184	157
	109		111	152
	97		106	150
	85			147
	84			146
	74			106
				104
				100
				100
				97
				96
				95
				93
				90
				88
				88
				87
				86
				85
				85
				83

Site Code 44
 Tracking Code 2002-SNK027
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Camas Creek
 Site Description Site is upstream of confluence w/J.Fell ≈100 m.
 UTM Zone 11
 UTM Easting 701559
 UTM Northing 4950788
 Date of Assessment 8/8/2002
 Time 12:25
 Observers T.Adams, J.Markham
 Length 215.2
 Width 1 3.5
 Width 2 2.3
 Width 3 3.2
 Width 4 3.3
 Width 5 3
 Width 6 2.5
 Width 7 2.4
 Width 8 1.8
 Width 9 4.4
 Air Temperature 12.2
 Water Temperature 9.4
 Sampling Method Snorkel
 Number of Snorkelers 1 Snorkeler
 Species 1 **Bull**
 Species 2 **Cutthroat**
 Comments Large substrate-boulders in channel form good pocket water and cover. Banks show signs of grazing-out sloped, eroding with poorly developed undercut. There are some high eroding natural cut banks. Water was slightly turbid/milky. One fish measuring 50-100 mm observed, unable to identify to species (*Oncorhynchus* sp.).

Length (mm)	Bull	Cutthroat	Oncorhynchus sp.
0-50	2		
50-100	3		1
100-150		2	
150-200		1	
200-250			
>250			

Site Code 45
 This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
 Data source: Idaho Department of Fish and Game, General Parr Monitoring (GPM) program, unpublished data

Site Code 46
 This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
 Data source: Idaho Department of Fish and Game, General Parr Monitoring (GPM) program, unpublished data

Site Code 47
 This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
 Data source: Idaho Department of Fish and Game, Esselman et al (2008)

Site Code 48
 This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
 Data source: Idaho Department of Fish and Game, Curet et al. (in progress)

Site Code 49
 This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
 Data source: Idaho Department of Fish and Game, Curet et al. (in progress)

Site Code	50
Tracking Code	2007-48
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Camp Creek
Site Description	0.34 miles from road
UTM Zone	11
UTM Easting	647891
UTM Northing	4915993
Date of Assessment	6/28/2007
Time	13:43
Observers	M. Jeffress, T. Brewer, C. Farmer
Length	50
Width 1	1.2
Width 2	1.25
Width 3	0.9
Width 4	0.5
Width 5	0.9
Air Temperature	34
Water Temperature	13.2
Sampling Method	E-Fish
Number of shockers	1
Number of Netters	1
Number of Passes	1
Species 1	Brook
Nongame Fish Present	Sculpin
Comments	Tadpoles/tailed frogs present, marginal fish habitat, grass and moss growing in stream

Pass #1

Brook Trout
94
65
72
76
73
74
71
75
32

Site Code 51
Tracking Code 2007-23
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Canyon Creek
Site Description Reach begins 0.1 miles below the point where the road crosses the creek.
UTM Zone 11
UTM Easting 670387
UTM Northing 4937463
Date of Assessment 6/19/2007
Time 14:50
Observers T.Brewer, E.Tillotson, J.Montoya
Length 50
Width 1 2.7
Width 2 3.4
Width 3 4
Width 4 2.9
Width 5 3.9
Air Temperature 28
Water Temperature 12.9
Sampling Method E-Fish
Number of shockers 1
Number of Netters 2
Number of Passes 1
Species 1 **Bull**
Species 2 **CutthroatxRainbow**
Comments Counted 12 tadpoles, 1 tailed frog.

Pass #1

Bull Trout	CtxRb Hybrid
137	224
137	183
124	177
121	
92	
82	
81	

Site Code 52
Tracking Code 2007-25
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Canyon Creek
Site Description Upper site, 50 m reach downhill from mine.
UTM Zone 11
UTM Easting 668362
UTM Northing 4940165
Date of Assessment 6/19/2007
Time 13:18
Observers T.Brewer, J.Montoya, E.Tillotson
Length 50
Width 1 2.5
Width 2 1.9
Width 3 2.65
Width 4 2.6
Width 5 2.35
Air Temperature 28.3
Water Temperature 8.1
Sampling Method E-Fish
Number of shockers 1
Number of Netters 2
Number of Passes 1
Species 1 **CutthroatxRainbow**

Pass #1

CtxRb Hybrid
193
171
152
143
86

Site Code	53
Tracking Code	2007-53
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Cape Horn Creek
UTM Zone	11
UTM Easting	638800
UTM Northing	4913307
Date of Assessment	7/12/2007
Time	15:22
Observers	M.Jeffress, T.Brewer, E.Tillotson, C.Farmer
Length	75
Width 1	2.6
Width 2	2.7
Width 3	3.2
Width 4	3.5
Width 5	2.8
Width 6	4.2
Width 7	4
Air Temperature	28.5
Water Temperature	14.5
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	2
Number of Passes	1
Species 1	Bull

Pass #1

- Bull Trout
- 204
- 143
- 142
- 134
- 127
- 68
- 67

Site Code	54
Tracking Code	2007-54
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Cape Horn Creek
Site Description	Reach begins adjacent to parking area
UTM Zone	11
UTM Easting	643021
UTM Northing	4912939
Date of Assessment	7/12/2007
Time	14:03
Observers	B.Gamett, M.Jeffress, T.Brewer, M.Perkins, E.Tillotson, C.Farmer
Length	100
Width 1	10.4
Width 2	10.2
Width 3	8.3
Width 4	7.8
Width 5	11.1
Width 6	7.4
Width 7	7.6
Width 8	8.2
Width 9	6.5
Width 10	11.7
Air Temperature	31.5
Water Temperature	14
Sampling Method	E-Fish
Number of Shockers	2
Number of Netters	4
Number of Passes	1
Species 1	Rainbow
Species 2	Brook
Species 3	Bull

Species 4
 Species 5
 Species 6
 Nongame Fish Present
 Comments

Chinook
Whitefish
Unidentified Salmonid
Sculpin
 Tailed frogs/tadpoles. Unidentified are probably Chinook (275mm, 280mm).

Pass #1

Rainbow Trout	Brook Trout	Bull Trout	Chinook Salmon	Mountain Whitefish
166	216	238	131	280
111	122		81	275
86	114		80	
	110		76	
	103		72	
	87		69	
	87		66	
	81		66	
			66	
			65	
			65	
			64	
			64	
			63	
			63	
			63	
			62	
			62	
			62	
			61	
			61	
			60	
			59	
			58	
			57	
			57	
			55	
			54	
			54	
			54	
			53	
			52	
			52	
			51	
			51	
			50	
			50	
			48	

Site Code 55
 Tracking Code 2007-86
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Cape Horn
 Site Description Site begins at diversion below highway and ends approximately 150 meters above diversion.
 UTM Zone 11
 UTM Easting 642423
 UTM Northing 4912846
 Date of Assessment 8/20/2007
 Time 11:30
 Observers B. Gamett, C. Farmer, K. Foster, J. Bartel
 Length 122
 Width 1 2
 Width 2 2.1
 Width 3 1.8
 Width 4 1.8
 Width 5 3.1
 Width 6 3
 Width 7 3.3
 Width 8 5.5
 Width 9 3.7
 Width 10 3.4

Air Temperature	15.5
Water Temperature	8.6
PH	9.14
Conductivity	50
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	3
Number of Passes	1
Species 1	Rainbow
Species 2	Brook
Species 3	Bull
Species 4	Chinook
Species 5	BrookxBull
Nongame Fish Present	Sculpin
Comments	Tailed frog tadpoles and juvenile tailed frog present. There were two mortalities for the Chinook Salmon sizes 68 and 63.

Pass #1

Rainbow Trout	Brook Trout	Bull Trout	Chinook Salmon	BkxBI Hybrid
164	228	198	100	219
105	222		92	217
	209		87	
	200		79	
	178		74	
	160		70	
	154		68	
	141		67	
	133		65	
	131		63	
	127			
	120			
	116			
	111			
	105			
	104			
	101			
	52			
	48			

Site Code

Site Code	56
Tracking Code	2007-87
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Cape Horn Creek
Site Description	Dispersed campsite 0.5 miles above highway up Cape Horn road.
UTM Zone	11
UTM Easting	641676
UTM Northing	4913110
Date of Assessment	8/20/2007
Time	12:45
Observers	B. Gamett, C. Farmer, K. Foster, J. Bartel
Length	125
Width 1	6.2
Width 2	2.3
Width 3	3.8
Width 4	7.4
Width 5	4.7
Width 6	4.1
Width 7	3.7
Width 8	5.2
Width 9	3.6
Air Temperature	14.1
Water Temperature	8.7
PH	8.66
Conductivity	50
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	3
Number of Passes	2
Species 1	Rainbow

Species 2 **Brook**
 Species 3 **Bull**
 Species 4 **BrookxBull**
 Nongame Fish Present **Sculpin**
 Comments Tailed Frog tadpoles present.

Pass #1	Rainbow Trout	Brook Trout	Bull Trout	BkxBI Hybrid
	122	222	183	214
	110	219	166	203
	90	209	133	170
		200		
		181		
		160		
		150		
		148		
		146		
		146		
		140		
		136		
		119		
		118		
		113		
		108		
		103		
		74		
		60		

Pass #2	Rainbow Trout	Brook Trout	Bull Trout	BkxBI Hybrid
	173	83	58	56
	114	130	61	
		134	84	
		146	62	
		54		
		51		
		66		

Site Code **57**
 Tracking Code 2008-9
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Cape Horn Creek
 Site Description MIS site 0.5 miles from highway
 UTM Zone 11
 UTM Easting 641667
 UTM Northing 4913102
 Date of Assessment 8/20/2008
 Time 12:50
 Observers B.Gamett, T.Brewer, C.Farmer, E.Tillotson
 Length 121
 Width 1 51
 Width 2 4
 Width 3 7.2
 Width 4 4.6
 Width 5 3.1
 Width 6 5.5
 Width 7 3.7
 Width 8 4.9
 Width 9 4.5
 Width 10 5.1
 Air Temperature 20.8
 Water Temperature 9.3
 Sampling Method E-Fish
 Number of Shockers 1
 Number of Netters 3
 Number of Passes 2
 Species 1 **Rainbow**
 Species 2 **Brook**
 Species 3 **Bull**

Species 4
 Nongame Fish Present
 Comments

BrookxBull
Sculpin
 Tailed frog adults and tadpoles, adult western toad.

Pass #1

Rainbow Trout	Brook Trout	Bull Trout	BkxBI Hybrid
166	207	158	176
120	203	96	111
111	183	83	99
	182		93
	178		89
	170		80
	147		78
	116		
	96		
	83		
	83		
	79		
	53		
	52		
	52		
	51		
	46		
	46		
	45		
	45		
	45		
	39		

Pass #2

Rainbow Trout	Brook Trout	Bull Trout	BkxBI Hybrid
	159	131	99
	135	83	96
	121		94
	55		

Site Code

58
 Tracking Code 2008-10
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Cape Horn Creek
 UTM Zone 11
 UTM Easting 645442
 UTM Northing 4916556
 Date of Assessment 7/17/2008
 Time 12:10
 Observers B. Gamett, T. Brewer, E. Tillotson, T. Mangan, E. Kern, M. McKelvey, J.Way
 Length 123
 Width 1 9.9
 Width 2 8.9
 Width 3 11.1
 Width 4 9.2
 Width 5 8.2
 Width 6 8.8
 Width 7 10.4
 Width 8 10.1
 Width 9 8.4
 Width 10 7.2
 Width 11 11.2
 Width 12 12.3
 Air Temperature 26.1
 Water Temperature 10.8
 Sampling Method E-fish
 Number of Shockers 2
 Number of Netters 4
 Number of Passes 1
 Species 1 **Bull**
 Species 2 **Chinook**
 Nongame Fish Present **Sculpin**
 Comments Standard sampling site/voucher specimens collected. Took sample specimens of nongame fish species.

Upstream while sculpin sampling, a rainbow was encountered, as were tailed frog larvae. Took several pictures of 59mm orange sculpin (5870 and 5871). Sculpin in pictures were taken in sculpin sample.

Pass #1	Bull Trout	Chinook Salmon
	209	66
		63
		61
		59
		56
		55
		53
		51
		50
		50
		50
		50
		49
		49
		49
		48
		48
		46
		42
		42
		41
		41
		41
		40
		40
		39
		39
		37

Site Code 59

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, General Parr Monitoring (GPM) program, unpublished data

Site Code 60

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, General Parr Monitoring (GPM) program, unpublished data

Site Code 61

Tracking Code	2007-08
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	China Creek
Site Description	50 m reach is located just below split in stream.
UTM Zone	11
UTM Easting	677967
UTM Northing	4928262
Date of Assessment	6/5/2007
Time	15:24
Observers	M.Jeffress, T.Brewer, E.Tillotson, C.Farmer
Length	50
Width 1	4
Width 2	3.8
Width 3	3.4
Width 4	3
Width 5	4
Air Temperature	10.7
Water Temperature	5.6
Sampling Method	E-Fish
Number of shockers	1
Number of Netters	2
Number of Passes	1
Species 1	Cutthroat
Comments	Tailed Frog tadpoles (8). Walked another 1/4 mile upstream and could not find a good reach due to high

flows and high gradient.

Pass #1

Cutthroat Trout
164
121
79
75

Site Code

Tracking Code
Ranger District
Watershed
Stream
Site Description
UTM Zone
UTM Easting
UTM Northing
Date of Assessment
Time
Observers
Length
Width 1
Width 2
Width 3
Width 4
Width 5
Air Temperature
Water Temperature
Sampling Method
Number of Shockers
Number of Netters
Number of Passes
Species 1
Species 2
Comments

62

2007-50
Middle Fork
Middle Fork Salmon
Collie Creek
Reach begins 1/2 mile above trail crossing
11
643568
4919480
7/13/2007
10:43
M.Jeffress, T.Brewer, C.Farmer, E.Tillotson
50
3.35
3
3.05
3.4
2.75
22
10.1
E-Fish
1
2
1
Bull
Cutthroat
Tailed frogs; Missed a bull trout ≈150mm and a cutthroat ≈200mm

Pass #1

Bull Trout
130
111

Cutthroat Trout
98

Site Code

Tracking Code
Ranger District
Watershed
Stream
Site Description
UTM Zone
UTM Easting
UTM Northing
Date of Assessment
Time
Observers
Length
Width 1
Width 2
Width 3
Width 4
Width 5
Width 6
Width 7
Air Temperature
Water Temperature
Sampling Method
Number of Shockers
Number of Netters
Number of Passes
Species 1
Comments

63

2006-09
Middle Fork
Middle Fork Salmon
Cougar Creek
above diversion
11
664729
4955726
8/14/2006
8:49
M.Haroldsen, J.Pyron, M.Foster
50
2.1
1
0.7
2.5
0.8
1.2
1.0
8
9.6
E-fish
1
1
1
CutthroatxRainbow
2 tailed frog/tadpoles observed

Pass #1

CtxRb Hybrid
104
95
94
92
92
88
86

Site Code

Tracking Code
Ranger District
Watershed
Stream
UTM Zone
UTM Easting
UTM Northing
Date of Assessment
Time
Observers
Length
Width 1
Width 2
Width 3
Width 4
Width 5
Width 6
Air Temperature
Water Temperature
Sampling Method
Number of Shockers
Number of Netters
Number of Passes
Species 1
Comments

64

2006-10
Middle Fork
Middle Fork Salmon
Cougar Creek
11
664698
4955763
8/14/2006
08:30
M.Haroldsen, J.Pyron, M.Foster
42
1.6
1.9
0.8
1.4
1.5
2.1
8.6
9.5
E-fish
1
1
1
CutthroatxRainbow
Tailed frog/tadpoles observed also YOY observed not captured

Pass #1

CtxRb Hybrid
142
88
77

Site Code

65

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, Esselman et al (2008)

Site Code 66
Tracking Code 2007-28
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Crystal Creek
Site Description 0.5 miles up from road
UTM Zone 11
UTM Easting 652347
UTM Northing 4923578
Date of Assessment 6/26/2007
Time 19:00
Observers M. Jeffress, T. Brewer, C. Farmer
Length 50
Width 1 2.65
Width 2 3.8
Width 3 4.4
Width 4 3.45
Width 5 2
Air Temperature 22.0
Water Temperature 11.3
Sampling Method E-Fish
Number of shockers 1
Number of Netters 2
Number of Passes 1
Species 1 **Rainbow**
Species 2 **Bull**
Comments Tailed frogs and tadpoles

Pass #1

Bull Trout	Rainbow Trout
138	153
124	
112	
77	
76	
56	

Site Code 67

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, Esselman et al (2008)

Site Code 68

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, Curet et al. (in progress)

Site Code 69

Tracking Code 2008-12
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Dagger Creek
Site Description Site begins 10 m below bend in stream with lots of woody debris
UTM Zone 11
UTM Easting 634069
UTM Northing 4927678
Date of Assessment 7/15/2008
Time 13:34
Observers T. Brewer, E. Tillotson, E. Kern, J. Way
Length 50
Width 1 5.9
Width 2 5
Width 3 4.4
Width 4 3.8
Width 5 3.2
Air Temperature 25
Water Temperature 13
Sampling Method E-Fish
Number of Shockers 1
Number of Netters 2

Number of Passes 1
 Species 1 **Rainbow**
 Species 2 **Bull**
 Species 3 **Cutthroat**
 Nongame Fish Present **Sculpin**
 Comments Frogs and tadpoles present.

Pass #1

Rainbow Trout	Bull Trout	Cutthroat Trout
160	152	95
	136	89
		77

Site Code 70
 Tracking Code 2008-13
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Dagger Creek
 Site Description Site begins where Camptender Trail first crosses stream
 UTM Zone 11
 UTM Easting 632892
 UTM Northing 4924992
 Date of Assessment 7/15/2008
 Time 15:12
 Observers T. Brewer, E. Tillotson, E. Kern, J.Way
 Length 50
 Width 1 2.8
 Width 2 3.4
 Width 3 3.4
 Width 4 3.9
 Width 5 3
 Air Temperature 26.5
 Water Temperature 11.5
 Sampling Method E-fish
 Number of Shockers 1
 Number of Netters 2
 Number of Passes 1
 Species 1 **Rainbow**
 Species 2 **CutthroatxRainbow**
 Nongame Fish Present **Sculpin**
 Comments Tadpoles present.

Pass #1

Rainbow Trout	CtxRb Hybrid
58	180
47	

Site Code 71
 This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
 Data source: Idaho Department of Environmental Quality, Beneficial Use Reconnaissance Project (BURP), unpublished data

Site Code 72
 This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
 Data source: Boise National Forest, unpublished data

Site Code 73
 This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
 Data source: Boise National Forest, unpublished data

Site Code **74**
Tracking Code 2007-03
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Deer Creek
Site Description 50 meter reach above diversion #2
UTM Zone 11
UTM Easting 670111
UTM Northing 4935048
Date of Assessment 6/7/2007
Time 9:22
Observers M.Jeffress, T.Brewer, E.Tillotson, C.Farmer
Length 50
Width 1 1.7
Width 2 2.6
Width 3 2.65
Width 4 2.3
Width 5 3
Air Temperature 6.9
Water Temperature 4.3
Sampling Method E-fish
Number of shockers 1
Number of Netters 1
Number of Passes 1
Species 1 **Cutthroat**
Species 2 **CutthroatxRainbow**

Pass #1
Cutthroat Trout CtxRb Hybrid
173 193
172 79
86

Site Code **75**
Tracking Code 2007-05
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Deer Creek
Site Description 50 m reach above diversion #1 (Loon Creek Drainage)
UTM Zone 11
UTM Easting 670116
UTM Northing 4934971
Date of Assessment 6/7/2007
Time 8:23
Observers M.Jeffress, T.Brewer, C.Farmer, E.Tillotson
Length 50
Width 1 2.2
Width 2 3.35
Width 3 1.4
Width 4 3.4
Width 5 2.1
Air Temperature 4.1
Water Temperature 4.3
Sampling Method E-Fish
Number of shockers 1
Number of Netters 1
Number of Passes 1
Species 1 **CutthroatxRainbow**
Comments Private property line is approximately 5 m below diversion

Pass #1
CtxRb Hybrid
155

Site Code **76**
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, Curet et al. (in progress)

Site Code 77

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, Curet et al. (in progress)

Site Code	78
Tracking Code	2008-14
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Dry Creek
Site Description	Where creek intersects road 203
UTM Zone	11
UTM Easting	650983
UTM Northing	4912603
Date of Assessment	7/16/2008
Time	20:30
Observers	B. Gamett, T. Brewer
Comments	Stream is dry.

Site Code	79
Tracking Code	2008-15
Ranger District	Middle Fork
Watershed	M.F. Salmon
Stream	Dry Creek
Site Description	Adjacent to Road
UTM Zone	11
UTM Easting	653582
UTM Northing	4912625
Date of Assessment	7/17/2008
Time	9:45
Observers	B. Gamett, E. Kern, J.Way, M. McKelvey
Length	50
Width 1	0.9
Width 2	1
Width 3	0.8
Width 4	0.5
Width 5	1.4
Width 6	1.1
Air Temperature	13.5
Water Temperature	8.8
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	2
Number of Passes	1
Comments	No fish observed.

Site Code	80
Tracking Code	2008-16
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Duffield Creek
Site Description	758 m above where trail forks (splits into Duffield Creek trail and Bernard Creek trail)
UTM Zone	11
UTM Easting	658915
UTM Northing	4935280
Date of Assessment	7/16/2008
Time	9:43
Observers	T. Brewer, E. Tillotson, J. Way, E. Kern
Length	50
Width 1	3.9
Width 2	5
Width 3	4.2
Width 4	4.4
Width 5	4.5
Air Temperature	15.6
Water Temperature	6.6
Sampling Method	E-fish
Number of Shockers	1
Number of Netters	3
Number of Passes	1

Species 1	Bull
Species 2	Cutthroat
Nongame Fish Present	Sculpin
Comments	Tadpoles.

Pass #1		
	Bull Trout	Cutthroat Trout
	121	146
	106	116

Site Code 81
 This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
 Data source: Boise National Forest, unpublished data

Site Code	82
Tracking Code	2007-71
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	East Mayfield Creek
Site Description	1/2 mile up from Mayfield trail crossing reach begins at trail crossing.
UTM Zone	11
UTM Easting	675753
UTM Northing	4934143
Date of Assessment	7/23/2007
Time	19:20
Observers	M.Jeffress, E.Tillotson, C.Farmer, J.Montoya
Length	64.4
Width 1	9.6
Width 2	8.6
Width 3	8.4
Width 4	8.2
Width 5	7.1
Air Temperature	21
Water Temperature	14
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	3
Number of Passes	1
Species 1	Rainbow
Species 2	Bull
Nongame Fish Present	Sculpin

Pass #1		
	Rainbow Trout	Bull Trout
	231	91
	222	
	218	
	199	
	178	
	163	
	151	
	144	
	142	
	142	
	141	
	133	
	121	
	101	
	97	
	96	
	96	
	92	
	91	
	90	
	87	
	83	
	83	
	82	
	73	
	64	

Site Code	83
Tracking Code	2007-88
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	East Mayfield
Site Description	Take the Loon Creek Road from Yankee Fork to the confluence of East Fork Mayfield Creek and Mayfield Creek. Park at Mayfield- Yankee Fork Trailhead. Hike on trail, cross Mayfield Creek. Continue 175 m up trail past creek. Take 90° turn off trail to North (left). Hike 35 m to Rock Monument, site starts at tailout of pool about 10 m upstream of rock monument.
UTM Zone	11
UTM Easting	675128
UTM Northing	4933798
Date of Assessment	8/21/2007
Time	11:30
Observers	B. Gamett, C. Farmer, J. Bartel
Length	98
Width 1	8.2
Width 2	7.1
Width 3	7.9
Width 4	5
Width 5	5.3
Width 6	5.8
Width 7	3.8
Width 8	4.4
Width 9	4.7
Width 10	7.6
Air Temperature	14.2
Water Temperature	10.1
PH	8.4
Conductivity	60
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	2
Number of Passes	2
Species 1	Rainbow
Species 2	Bull
Nongame Fish Present	Sculpin

Pass #1	
Rainbow Trout	Bull Trout
225	191
196	178
189	
175	
173	
165	
157	
153	
141	
138	
117	
117	
116	
115	
112	
110	
110	
109	
106	
106	
106	
106	
104	
104	
102	
97	
96	
95	
95	

86
81
78
73
72

Pass #2

Rainbow Trout	Bull Trout
191	171
168	
149	
149	
145	
105	
101	
100	
98	
84	

Site Code 84

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, General Parr Monitoring (GPM) program, unpublished data

Site Code 85

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, General Parr Monitoring (GPM) program, unpublished data

Site Code 86

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, General Parr Monitoring (GPM) program, unpublished data

Site Code 87

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, Esselman et al. (2008)

Site Code 88

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, Curet et al. (in progress)

Site Code 89

Tracking Code	2007-20
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Feltham Creek
Site Description	Reach begins at spring coming in from left
UTM Zone	11
UTM Easting	658702
UTM Northing	4929251
Date of Assessment	6/21/2007
Time	8:45
Observers	C.Farmer, T.Brewer, M.Jeffress, E.Tillotson
Length	100
Width 1	1.95
Width 2	1.2
Width 3	1.4
Width 4	1.9
Width 5	1.6
Width 6	1.5
Width 7	3.2
Width 8	2.35
Width 9	1.35
Width 10	4.25
Air Temperature	7.2
Water Temperature	5.1
Sampling Method	E-Fish

Number of shockers	1
Number of Netters	1
Number of Passes	1
Species 1	Bull
Comments	Tailed frog tadpoles present.

Pass #1

Bull Trout
169
162
153
143
115
114
111
55

Site Code

Tracking Code	2007-22
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Flat Creek
Site Description	Bottom of reach extends up from road crossing.
UTM Zone	11
UTM Easting	649239
UTM Northing	4909536
Date of Assessment	6/21/2007
Time	14:22
Observers	M.Jeffress, T.Brewer, E.Tillotson, C.Farmer
Length	100
Width 1	2.4
Width 2	0.7
Width 3	1.7
Width 4	1.4
Width 5	0.8
Width 6	1.2
Width 7	1.15
Width 8	0.7
Width 9	1.3
Width 10	1.6
Air Temperature	28.2
Water Temperature	10.2
Sampling Method	E-Fish
Number of shockers	1
Number of Netters	1
Number of Passes	1
Species 1	Brook
Comments	One unidentified 27mm.

Pass #1

Brook Trout
197
144
111
103
100
98
66
65

Site Code	91
Tracking Code	2008-17
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Flat Creek
Site Description	Top of site is bottom of culvert on state highway
UTM Zone	11
UTM Easting	650090
UTM Northing	4911467
Date of Assessment	7/17/2008
Time	10:30
Observers	B. Gamett, M. Mangan, J. Way, E. Kern
Length	76
Width 1	0.8
Width 2	0.5
Width 3	0.6
Width 4	0.7
Width 5	2
Width 6	2.6
Air Temperature	18.3
Water Temperature	12.3
Sampling Method	E-fish
Number of Shockers	1
Number of Netters	3
Number of Passes	1
Species 1	Brook
Comments	Western toad adult observed. Culvert is probably a fish barrier. Shocked a short section above highway in addition to this site and brook trout also present above the highway.

Pass #1

Brook Trout
199
159
154
144
141
137
126
125
121
116
113
101
101
98
97
97
93
90
90
90
89
88
85
85
83
81
80
80
79
78
75
74

Site Code	92
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.	
Data source:	Idaho Department of Fish and Game, 2008 Rapid River snorkel survey, unpublished data

Site Code 93
 This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
 Data source: Idaho Department of Fish and Game, 2008 Rapid River snorkel survey, unpublished data

Site Code 94
 This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
 Data source: Idaho Department of Fish and Game, 2008 Rapid River snorkel survey, unpublished data

Site Code 95
 This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
 Data source: Idaho Department of Fish and Game, 2008 Rapid River snorkel survey, unpublished data

Site Code 96
 This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
 Data source: Idaho Department of Fish and Game, 2008 Rapid River snorkel survey, unpublished data

Site Code 97
 This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
 Data source: Idaho Department of Fish and Game, 2008 Rapid River snorkel survey, unpublished data

Site Code 98
 This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
 Data source: Idaho Department of Fish and Game, 2008 Rapid River snorkel survey, unpublished data

Site Code 99
 This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
 Data source: Idaho Department of Fish and Game, 2008 Rapid River snorkel survey, unpublished data

Site Code 100
 Tracking Code 2002-SNK020
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Flume Creek
 UTM Zone 11
 UTM Easting 695343
 UTM Northing 4965169
 Date of Assessment 8/2/2002
 Time 11:25
 Observers T.Adams, J.Markham
 Length 130.6
 Width 1 2.3
 Width 2 1.2
 Width 3 2.8
 Width 4 2
 Width 5 2.3
 Width 6 1.4
 Width 7 1.5
 Width 8 1.9
 Width 9 1.5
 Air Temperature 27.7
 Water Temperature 9.4
 Sampling Method Snorkel
 Number of Snorkelers 2
 Species 1 **Rainbow/steelhead**
 Comments Fish were mostly RB/ST like 100-150 mm fish had more RB spotting, RB jaw. But many seemed paler/olive green like CT. Could not see any slash marks, although observed 4 fish in last pool ≈20 min. Small guys had none-couldn't get correct angle on larger. 95%-99% sure RB-but to rule out hybrid cutbows, should do angling, no white tips on dorsal/pelvic/anal fins.

Length (mm)	Rainbow/Steelhead
0-50	
50-100	4
100-150	2

150-200
200-250
>250

Site Code	101
Tracking Code	2002-SNK029
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Fly Creek
UTM Zone	11
UTM Easting	698258
UTM Northing	4952975
Date of Assessment	8/8/2002
Time	17:45
Observers	T.Adams, J.Markham
Length	78.8
Width 1	4.1
Width 2	2.9
Width 3	2.7
Width 4	2.8
Width 5	2.3
Width 6	2.7
Width 7	2
Width 8	3
Air Temperature	16.1
Water Temperature	8.9
Sampling Method	Snorkel
Number of Snorkelers	1 Snorkeler
Species 1	Bull
Species 2	Cutthroat
Comments	Isolated stream. Substrate includes mod. Fines of sand to silt size easily stirred up by snorkeling. Wooded shady corridor.

Length (mm)	Bull	Cutthroat
0-50		
50-100		4
100-150	1	3
150-200		
200-250		
>250		

Site Code	102
Tracking Code	2007-61
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Garden Creek
Site Description	≈70 m below diversion
UTM Zone	11
UTM Easting	647368
UTM Northing	4956008
Date of Assessment	7/6/2007
Time	14:50
Observers	M.Jeffress, T.Brewer, C.Farmer, E.Tillotson
Length	50
Width 1	1.9
Width 2	2.55
Width 3	1.8
Width 4	2
Width 5	2.3
Air Temperature	39
Water Temperature	16.1
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	2
Number of Passes	1
Species 1	Cutthroat
Species 2	CutthroatxRainbow
Comments	Tailed frog tadpoles. Spot shocked most of reach because of thick vegetation.

Pass #1	
Cutthroat Trout	CtxRb Hybrid
131	101
	84
	83
	74
	73
	62
	61
Site Code	103
Tracking Code	2007-62
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Garden Creek
Site Description	200 m above diversion
UTM Zone	11
UTM Easting	647081
UTM Northing	4956242
Date of Assessment	7/6/2007
Time	13:40
Observers	M.Jeffress, T.Brewer, C.Farmer, E.Tillotson
Length	50
Width 1	1.6
Width 2	1.5
Width 3	2.4
Width 4	2.6
Width 5	2.55
Air Temperature	39.8
Water Temperature	17.8
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	2
Number of Passes	1
Species 1	CutthroatxRainbow
Comments	Tailed frog tadpoles

Pass #1
 CtxRb Hybrid
 133
 124
 124
 119
 111
 109
 103
 102
 102
 77
 74
 73
 71
 70
 69
 63
 62
 56

Site Code **104**
 This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
 Data source: Idaho Department of Fish and Game, Esselman et al. (2008)

Site Code **105**
 This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
 Data source: Idaho Department of Fish and Game, Curet et al. (in progress)

Site Code	106
Tracking Code	2007-02
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Grouse Creek
Site Description	0.8 miles from Loon Creek road
UTM Zone	11
UTM Easting	671219
UTM Northing	4939821
Date of Assessment	6/7/2007
Time	12:16
Observers	M.Jeffress, T.Brewer, E.Tillotson, C.Farmer
Length	50
Width 1	2.9
Width 2	3.9
Width 3	3.15
Width 4	2.65
Width 5	3.4
Air Temperature	14.3
Water Temperature	8.3
Sampling Method	E-fish
Number of shockers	1
Number of Netters	3
Number of Passes	1
Species 1	CutthroatxRainbow
Comments	Adult Tailed frogs present as well as tadpoles.

Pass #1
 CtxRb Hybrid
 164
 147
 85

Site Code	107
Tracking Code	2007-59
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Grouse Creek
Site Description	≈1/2 mile upstream from Middle Fork at the base of the first large rock outcrop on the down river side.
UTM Zone	11
UTM Easting	677009
UTM Northing	4970375
Date of Assessment	7/8/2007
Time	9:30
Observers	M.Jeffress, E.Tillotson, T.Brewer, C.Farmer
Length	50
Width 1	3.15
Width 2	3
Width 3	5.2
Width 4	3.2
Width 5	2.9
Air Temperature	19.3
Water Temperature	13.4
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	2
Number of Passes	1
Species 1	Cutthroat
Species 2	CutthroatxRainbow
Comments	Tailed Frog tadpoles

Pass #1
 Cutthroat Trout CtxRb Hybrid
 207 137
 171 129
 111 94
 89 82
 67

Site Code 108

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Boise National Forest, unpublished data

Site Code 109

Tracking Code 2007-46
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Halstead Creek
Site Description Left fork
UTM Zone 11
UTM Easting 646958
UTM Northing 4920257
Date of Assessment 6/28/2007
Time 11:46
Observers M. Jeffress, C. Farmer, T. Brewer
Length 50
Width 1 1.75
Width 2 1.3
Width 3 1.6
Width 4 1.8
Width 5 0.9
Air Temperature 26.3
Water Temperature 8.3
Sampling Method E-Fish
Number of shockers 1
Number of Netters 1
Number of Passes 1
Comments Tailed frogs. No fish were present in the left fork.

Site Code 110

Tracking Code 2007-47
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Halstead Creek
Site Description Right fork with marshy area to the left of reach
UTM Zone 11
UTM Easting 647076
UTM Northing 4920270
Date of Assessment 6/28/2007
Time 11:10
Observers M. Jeffress, T. Brewer, C. Farmer
Length 50
Width 1 1.7
Width 2 1.9
Width 3 1.4
Width 4 0.9
Width 5 1.5
Air Temperature 23.2
Water Temperature 7.2
Sampling Method E-Fish
Number of shockers 1
Number of Netters 1
Number of Passes 1
Species 1 **Bull**
Comments Tailed frogs present.

Pass #1

- Bull Trout
- 125
- 108
- 105
- 84
- 97
- 98
- 96
- 97
- 51

Site Code 111

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, Curet et al. (in progress)

Site Code 112

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, Curet et al. (in progress)

Site Code 113

Tracking Code 2002-SNK026
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream J Fell Creek
 UTM Zone 11
 UTM Easting 701466
 UTM Northing 4950668
 Date of Assessment 8/8/2002
 Time 11:30
 Observers T.Adams, J.Markham
 Length 101.5
 Width 1 3.2
 Width 2 2.5
 Width 3 3.5
 Width 4 2.4
 Width 5 1.9
 Width 6 5.8
 Width 7 4.1
 Width 8 4.2
 Air Temperature 11.1
 Water Temperature 6.1
 Sampling Method Snorkel
 Number of Snorkeler 1 Snorkeler
 Species 1 **Bull**
 Comments

Substrate includes high fines/sands easily stirred up in pools. On lower stretch from confluence to this site there are stretchers of high eroding cutbanks through old gravel bars. Camas is similar. Otherwise further up on site habitat is good to excellent with bank stability and undercut. Good LWD recruitment.

Length (mm)	Bull
0-50	
50-100	1
100-150	2
150-200	
200-250	
>250	

Site Code 114

Tracking Code 2008-34
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Kelly Creek
 Site Description Below some road.
 UTM Zone 11
 UTM Easting 653395
 UTM Northing 4915037
 Date of Assessment 7/17/2008
 Time 7:42
 Observers B. Gamett, T. Mangan, E. Kern, J. Way
 Comments Stream is dry.

Site Code 115
Tracking Code 2007-17
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Knapp Creek
Site Description Diversion #1
UTM Zone 11
UTM Easting 650732
UTM Northing 4915170
Date of Assessment 6/20/2007
Time 15:05
Observers M.Jeffress, C.Farmer, T.Brewer, E.Tillotson
Length 112
Width 1 6
Width 2 6.35
Width 3 9.4
Width 4 8.8
Width 5 5.9
Width 6 9.4
Width 7 6.2
Width 8 6.6
Width 9 6.2
Width 10 6
Air Temperature 31.2
Water Temperature 17.1
Sampling Method E-Fish
Number of Shockers 2
Number of Netters 2
Number of Passes 1
Species 1 **Rainbow**
Species 2 **Brook**
Species 3 **Chinook**
Nongame Species **Sculpin**
Comments Tailed frogs & tailed frog tadpoles were present. Could not find diversion (we did find old side channel)
Reach was located ≈ 50 meters below GPS reading and ≈50 meters above. (1 unidentified fish 27mm)

Pass #1
Rainbow Trout 89
Brook Trout 72
Chinook Salmon 49

Site Code 116
Tracking Code 2007-18
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Knapp Creek
Site Description Diversion #2 (50 meter reach below diversion)
UTM Zone 11
UTM Easting 651120
UTM Northing 4915589
Date of Assessment 6/20/2007
Time 16:11
Length 50
Width 1 4.55
Width 2 5.7
Width 3 8
Width 4 9.9
Width 5 4.8
Air Temperature 27
Water Temperature 16.9
Sampling Method E-Fish
Number of Shockers 2
Number of Netters 2
Number of Passes 1
Species 1 **Rainbow**
Species 2 **Brook**
Nongame Species **Sculpin**
Comments Tailed frogs & tailed frog tadpoles were present. Stream splits and the diversion is located on the left fork.
Split in stream was 75m long.

Pass #1

Rainbow Trout	Brook Trout
176	122
144	111
81	87
	77

Site Code

Tracking Code	117
Ranger District	2007-19
Watershed	Middle Fork
Stream	Middle Fork Salmon
Site Description	Knapp Creek
UTM Zone	Diversion #2 (50 m reach above diversion)
UTM Easting	11
UTM Northing	651078
Date of Assessment	4915657
Time	6/20/2007
Observers	17:15
Length	M.Jeffress, T.Brewer, E.Tillotson, C.Farmer
Width 1	50
Width 2	6.25
Width 3	5.55
Width 4	4.1
Width 5	4
Air Temperature	5.8
Water Temperature	27
Sampling Method	16.9
Number of Shockers	E-Fish
Number of Netters	2
Number of Passes	2
Species 1	1
Nongame Species	Rainbow
Comments	Sculpin Tailed Frogs & Tailed frog tadpoles. One unidentified-29mm.

Pass #1

Rainbow Trout
168

Site Code

Tracking Code	118
Ranger District	2007-29
Watershed	Middle Fork
Stream	Middle Fork Salmon
Site Description	Knapp Creek
UTM Zone	Spring flows in 10 meters above the beginning of reach on the left bank
UTM Easting	11
UTM Northing	661698
Date of Assessment	4920571
Time	6/26/2007
Observers	16:25
Length	M. Jeffress, C. Farmer, T. Brewer
Width 1	50
Width 2	4.9
Width 3	5
Width 4	3.95
Width 5	4
Air Temperature	3.6
Water Temperature	22.3
Sampling Method	14.1
Number of Shockers	E-Fish
Number of Netters	1
Number of Passes	2
Species 1	1
Species 2	Brook
Species 3	Bull
Nongame Fish Present	Cutthroat
Comments	Sculpin One unidentified YOY at 27mm. Tailed frogs/tailed frog tadpoles.

Pass #1

Brook Trout
160
150
131
131
103
81
74
69

Bull Trout
159
81

Cutthroat Trout
197
149

Site Code

Tracking Code
Ranger District
Watershed
Stream
Site Description
UTM Zone
UTM Easting
UTM Northing
Date of Assessment
Time
Observers
Length
Width 1
Width 2
Width 3
Width 4
Width 5
Air Temperature
Water Temperature
Sampling Method
Number of Shockers
Number of Netters
Number of Passes
Species 1
Nongame Species
Comments

119

2007-30
Middle Fork
Middle Fork Salmon
Knapp Creek
Reach begins where road crosses the creek.
11
659391
4919651
6/26/2007
15:25
M. Jeffress, C. Farmer, T. Brewer
50
15.2
6.2
4.5
4.3
5.65
30.8
13.1
E-Fish
1
2
1

Brook

Sculpin

Standard sampling site/voucher specimens collected. Took sample specimens of nongame fish species.
Tailed frogs and tadpoles present.

Pass #1

Brook Trout
156
152
130
123
80
65
63
34
26

Site Code 120
 Tracking Code 2007-57
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Knapp Creek
 Site Description Below Diversion #1
 UTM Zone 11
 UTM Easting 650223
 UTM Northing 4914643
 Date of Assessment 7/12/2007
 Time 10:55
 Observers M.Jeffress, B.Gamett, T.Brewer, C.Farmer, E.Tillotson, M.Perkins
 Length 100
 Width 1 6.2
 Width 2 6
 Width 3 3
 Width 4 4.3
 Width 5 3.3
 Width 6 2.8
 Width 7 3.6
 Width 8 4.9
 Width 9 4.7
 Width 10 3.9
 Air Temperature 22.5
 Water Temperature 15.5
 Sampling Method E-Fish
 Number of Shockers 2
 Number of Netters 4
 Number of Passes 1
 Species 1 **Rainbow**
 Species 2 **Brook**
 Species 3 **Chinook**
 Nongame Fish Present **Sculpin**
 Comments Tailed frogs/tadpoles

Pass #1			
	Rainbow Trout	Brook Trout	Chinook Salmon
	190	206	59
		168	
		143	
		139	
		103	

Site Code 121
 Tracking Code 2007-76
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Knapp Creek
 Site Description above trailhead
 UTM Zone 11
 UTM Easting 653489
 UTM Northing 4917839
 Date of Assessment 7/30/2007
 Time 16:09
 Observers M.Jeffress, E.Tillotson, C.Farmer, T.Brewer
 Length 100
 Width 1 5.3
 Width 2 4.9
 Width 3 4.6
 Width 4 5.9
 Width 5 5.2
 Width 6 7.4
 Width 7 3.5
 Width 8 8.1
 Width 9 6.2
 Width 10 5.7
 Air Temperature 29
 Water Temperature 19
 Sampling Method E-Fish
 Number of Shockers 2

Number of Netters	2
Number of Passes	1
Species 1	Brook
Nongame Fish Present	Sculpin
Comments	Tailed frog tadpoles

Pass #1

Brook Trout
 171
 135
 120
 119
 104
 101
 91
 83
 83
 74
 67

Site Code 122

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, General Parr Monitoring (GPM) program, unpublished data

Site Code 123

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, General Parr Monitoring (GPM) program, unpublished data

Site Code 124

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, General Parr Monitoring (GPM) program, unpublished data

Site Code 125

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, General Parr Monitoring (GPM) program, unpublished data

Site Code 126

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, General Parr Monitoring (GPM) program, unpublished data

Site Code 127

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, General Parr Monitoring (GPM) program, unpublished data

Site Code 128
Tracking Code 2007-43
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Laidlow Creek
Site Description 0.5 miles from road
UTM Zone 11
UTM Easting 648119
UTM Northing 4920801
Date of Assessment 6/27/2007
Time 18:04
Observers M. Jeffress, T. Brewer, C. Farmer
Length 50
Width 1 1.9
Width 2 1.5
Width 3 1
Width 4 1.3
Width 5 1.25
Air Temperature 25.3
Water Temperature 11.2
Sampling Method E-Fish
Number of Shockers 1
Number of Netters 1
Number of Passes 1
Comments Tailed frogs and tadpoles. Marginal fish habitat, we were going to do a visual but decided to shock just in case fish were present. Downstream of this site, approximately 200 meters above road crossing, a small (80 mm) brook trout was observed.

Site Code 129
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, Curet et al. (in progress)

Site Code 130
Tracking Code 2002-SNK033
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Liberty Creek
UTM Zone 11
UTM Easting 688477
UTM Northing 4961044
Date of Assessment 8/21/2002
Time 14:00
Observers T.Adams, M.Stephens
Length 112.5
Width 1 2.8
Width 2 2.7
Width 3 1.7
Width 4 1.7
Width 5 2.4
Width 6 2.7
Width 7 2.6
Width 8 2.3
Width 9 1.8
Width 10 2.9
Width 11 2.5
Air Temperature 11.1
Water Temperature 8.3
Sampling Method Snorkel
Number of Snorkelers 1 Snorkeler
Species 1 **Bull**
Comments Stream shows signs of blowout in past. Large substrate moved and deposited some down cutting and unstable cutbanks, not much undercut bank. Large substrate provides good fish cover. Riparian shrub density =Low, perhaps due to shading. One fish measuring 0-50 mm observed, unable to identify to species (Oncorhynchus sp.).

Length (mm)	Bull	Oncorhynchus sp.
0-50		1
50-100	1	
100-150	2	

Site Code	131
Tracking Code	2008-22
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Lime Creek
Site Description	100 m above where trail crosses stream
UTM Zone	11
UTM Easting	653076
UTM Northing	4937346
Date of Assessment	7/17/2008
Time	8:45
Observers	T. Brewer, E. Tillotson, M. McKelvey
Length	50
Width 1	2.1
Width 2	1.4
Width 3	2.6
Width 4	3.9
Width 5	2.8
Air Temperature	10.9
Water Temperature	8.4
Sampling Method	E-fish
Number of Shockers	1
Number of Netters	1
Number of Passes	1
Species 1	Bull
Species 2	Cutthroat
Comments	Tadpoles

Pass #1

Bull Trout	Cutthroat Trout
153	162
110	144
	120
	118
	70
	60

Site Code	132
Tracking Code	2007-06a
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Little Creek
Site Description	reach begins above second diversion
UTM Zone	11
UTM Easting	658887
UTM Northing	4953909
Date of Assessment	8/1/2007
Time	9:47
Observers	M.Jeffress, C.Framer, Peters
Length	50
Width 1	1.3
Width 2	0.4
Width 3	1.2
Width 4	1.1
Width 5	2.8
Air Temperature	20
Water Temperature	12
Sampling Method	E-fish
Number of Shockers	1
Number of Netters	0
Number of Passes	1
Comments	No fish.

Site Code **133**
Tracking Code 2007-07a
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Little Creek
Site Description reach begins above first diversion
UTM Zone 11
UTM Easting 658628
UTM Northing 4954035
Date of Assessment 8/1/2007
Time 10:17
Observers M.Jeffress, C.Framer, Peters
Length 50
Width 1 1.2
Width 2 0.7
Width 3 1
Width 4 1.4
Width 5 1.3
Air Temperature 18
Water Temperature 12
Sampling Method E-fish
Number of Shockers 1
Number of Netters 0
Number of Passes 1
Comments No fish.

Site Code **134**
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, Esselman et al. (2008)

Site Code **135**
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, Curet et al. (in progress)

Site Code **136**
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, Curet et al. (in progress)

Site Code **137**
Tracking Code 2002-SNK023
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Little white Goat Creek
Site Description Snorkel transect begins at SPW just upstream of diversion site used for drinking water at Hidden Valley Ranch
UTM Zone 11
UTM Easting 698588
UTM Northing 4957018
Date of Assessment 8/6/2002
Time 16:45
Observers T.Adams, J.Markham
Length 52.8
Width 1 2.1
Width 2 1.7
Width 3 1.2
Width 4 1.1
Width 5 1.5
Width 6 1.4
Width 7 1.1
Width 8 1.8
Air Temperature 23.3
Water Temperature 12.2
Sampling Method Snorkel
Number of Snorkelers 2 Snorkelers
Species 1 **Bull**
Comments Good cover from substrate and plunges. Riparian vegetation, banks and undercut are good. Substrate has high fines of silt to sand size, tan in color. Larger substrate is darker in color. Possibly silt/sand is from a

recent blowout upstream. There is evidence of cattle having been along this snorkel transect this year.

Length (mm)	Bull
0-50	
50-100	4
100-150	2
150-200	
200-250	
>250	
Site Code	138
Tracking Code	2002-SNK017
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Little Woodtick Creek
Site Description	Starts at trail crossing
UTM Zone	11
UTM Easting	686491
UTM Northing	4970892
Date of Assessment	7/30/2002
Time	18:50
Observers	T.Adams, J.Markham
Length	53.6
Width 1	1.5
Width 2	1.2
Width 3	1.1
Width 4	0.9
Width 5	0.9
Width 6	1.4
Width 7	2
Air Temperature	22
Water Temperature	11.1
Sampling Method	Snorkel
Number of Snorkelers	1
Comments	No Fish.
Site Code	139
Tracking Code	2007-44
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Lola Creek
Site Description	0.75 miles from trail head
UTM Zone	11
UTM Easting	644297
UTM Northing	4917322
Date of Assessment	6/28/2007
Time	8:06
Observers	M. Jeffress, C. Farmer, T. Brewer
Length	100
Width 1	4.1
Width 2	2.45
Width 3	5.2
Width 4	4.3
Width 5	2.7
Width 6	3.8
Width 7	2.05
Width 8	2.25
Width 9	2.1
Width 10	1.9
Air Temperature	8.6
Water Temperature	6.2
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	2
Number of Passes	1
Comments	Unidentified frog observed. No fish. Good habitat but no fish.

Site Code	140
Tracking Code	2007-45
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Lola Creek
Site Description	0.5 miles from trailhead
UTM Zone	11
UTM Easting	644691
UTM Northing	4917540
Date of Assessment	6/28/2007
Time	9:19
Observers	M. Jeffress, T. Brewer, C. Farmer
Length	50
Width 1	2.4
Width 2	2
Width 3	3.6
Width 4	7.8
Width 5	3.4
Air Temperature	15.7
Water Temperature	6.8
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	2
Number of Passes	1
Species 1	Bull
Comments	Tailed frogs and tadpoles. 1 (30 mm) unidentified fish.

Pass #1

Bull Trout
112
109
107
105
104
101
97
90
87
75
74
69
69
68
67

Site Code	141
Tracking Code	2007-06
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Loon Creek
Site Description	50 m reach above diversion across from Diamond D Ranch
UTM Zone	11
UTM Easting	670303
UTM Northing	4934444
Date of Assessment	6/5/2007
Time	8:15
Observers	M. Jeffress, T. Brewer, E. Tillotson
Length	50
Width 1	17.3
Width 2	17
Width 3	13.7
Width 4	14.3
Air Temperature	10.4
Water Temperature	6.9
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	2
Number of Passes	1
Species 1	Rainbow
Nongame Species	Sculpin

Comments

Only shocked left side of stream-right side was too swift and deep.

Pass #1

Rainbow Trout

76
72
72
71
69
63
63
59
57
53
42
40
40
40
39

Site Code

142

Tracking Code

2007-07

Ranger District

Middle Fork

Watershed

Middle Fork Salmon

Stream

Loon Creek

Site Description

45 m stretch below diversion

UTM Zone

11

UTM Easting

670303

UTM Northing

4934444

Date of Assessment

6/5/2007

Time

9:27

Observers

M.Jeffress, T.Brewer, E.Tillotson

Length

45

Width 1

12.1

Width 2

12

Width 3

12.4

Width 4

12.2

Width 5

14.1

Air Temperature

10.4

Water Temperature

7

Sampling Method

E-Fish

Number of Shockers

1

Number of Netters

2

Number of Passes

1

Species 1

Rainbow

Nongame Species

Sculpin

Pass #1

Rainbow Trout

104
71
71
70

Site Code	143
Tracking Code	2007-68
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Loon Creek
Site Description	Below Grouse Creek; reach begins at the end of spur road.
UTM Zone	11
UTM Easting	672451
UTM Northing	4939059
Date of Assessment	7/24/2007
Time	13:36
Observers	M.Jeffress, T.Brewer, C.Farmer, J.Montoya, E.Tillotson
Length	110
Width 1	14.6
Width 2	15
Width 3	13.3
Width 4	12.3
Width 5	12.3
Width 6	15.3
Width 7	15.2
Width 8	13.6
Width 9	12.3
Width 10	11.8
Air Temperature	21
Water Temperature	14
Sampling Method	E-Fish
Number of Shockers	2
Number of Netters	3
Number of Passes	1
Species 1	Rainbow
Species 2	Bull
Species 3	Cutthroat
Species 4	Whitefish
Species 5	Chinook
Nongame Fish Present	Sculpin
Comments	Unidentified fish (38, 34, 42, 42)

Pass #1	Rainbow Trout	Bull Trout	Cutthroat Trout	Mountain Whitefish	Chinook Salmon
	224	194	291	379	77
	179			378	
	176			374	
	174			372	
	168			370	
	164			335	
	129			324	
	117			321	
	116			319	
	112			314	
	111			300	
	110			296	
	99			291	
	97			285	
	95			250	
	45				
	45				

Site Code 144
 Tracking Code 2007-70
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Loon Creek
 Site Description 1.0 miles above confluence with Pioneer Creek
 UTM Zone 11
 UTM Easting 668336
 UTM Northing 4930698
 Date of Assessment 7/24/2007
 Time 9:40
 Observers T.Brewer, E.Tillotson, J.Montoya
 Length 50
 Width 1 5.5
 Width 2 6.1
 Width 3 8.2
 Width 4 6.4
 Width 5 4.8
 Air Temperature 22
 Water Temperature 11
 Sampling Method E-Fish
 Number of Shockers 1
 Number of Netters 2
 Number of Passes 1
 Species 1 **Rainbow**
 Species 2 **Bull**
 Species 3 **Cutthroat**
 Nongame Fish Present **Sculpin**

Pass #1

Rainbow Trout	Bull Trout	Cutthroat Trout
210	95	176
186		154
165		
131		
124		
127		

Site Code 145
 Tracking Code 2006-Voucher-4
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Loon Creek
 Site Description At Simplot
 UTM Zone 11
 UTM Easting 673162
 UTM Northing 4963646
 Date of Assessment 8/14/2006
 Sampling Method E-Fish
 Species 1 **Whitefish**
 Nongame Fish Present **Longnose Dace**
 Nongame Fish Present **Sculpin**
 Comments Voucher specimen collection site only. All of the sculpin collected at this site were preserved in alcohol and sent Brigham Young University for genetic analysis. The sculpin were not identified to species prior to being sent. The other voucher specimens were sent to the College of Idaho.

Site Code 146
 This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
 Data source: Idaho Department of Fish and Game, General Parr Monitoring (GPM) program, unpublished data

Site Code 147
 This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
 Data source: Idaho Department of Fish and Game, General Parr Monitoring (GPM) program, unpublished data

Site Code 148
 This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
 Data source: Idaho Department of Fish and Game, General Parr Monitoring (GPM) program, unpublished data

Site Code 149

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, Esselman et al. (2008)

Site Code 150

Tracking Code 2007-80
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Marble Creek
 Site Description up from point of diversion
 UTM Zone 11
 UTM Easting 659633
 UTM Northing 4959791
 Date of Assessment 8/2/2007
 Time 12:00
 Observers M.Jeffress, C.Farmer, T. Peters
 Length 100
 Width 1 11.6
 Width 2 8.7
 Width 3 6.1
 Width 4 11.3
 Width 5 10.3
 Width 6 13.3
 Width 7 13.9
 Width 8 16
 Width 9 13.8
 Width 10 12.8
 Air Temperature 27.5
 Water Temperature 14
 Sampling Method E-Fish
 Number of Shockers 1
 Number of Netters 2
 Number of Passes 1
 Species 1 **Rainbow**
 Species 2 **Cutthroat**
 Species 3 **Whitefish**
 Species 4 **Chinook**
 Nongame Species **Sculpin, Dace**
 Comments Standard sampling site/voucher specimens collected. Took sample specimens of nongame fish species. Old canal was present, however no diversion was found.

Pass #1

Rainbow Trout	Cutthroat Trout	Mountain Whitefish	Chinook Salmon
195	177	339	80
168			
167			
154			
148			
146			
119			
110			
102			

Site Code 151

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, Esselman et al (2008)

Site Code 152

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, Esselman et al. (2007)

Site Code	153
Tracking Code	2007-36
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Marsh Creek
UTM Zone	11
UTM Easting	651507
UTM Northing	4911233
Date of Assessment	6/25/2007
Time	17:41
Observers	M. Jeffress, T. Brewer, C. Farmer
Length	84
Width 1	2.1
Width 2	2.3
Width 3	2.1
Width 4	3
Width 5	1.5
Width 6	2.4
Width 7	2.1
Width 8	1.35
Air Temperature	22
Water Temperature	15
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	2
Number of Passes	1
Species 1	Brook
Species 2	Chinook
Nongame Species	Sculpin
Comments	Unidentified frogs, substrate consisted mostly of fines

Pass #1

Brook Trout	Chinook Salmon
134	73
125	
122	
118	
117	
112	
95	
59	
56	
55	
54	
51	
50	
49	
47	
47	
47	
46	
44	
42	
39	

Site Code 154
 Tracking Code 2007-56
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Marsh Creek
 UTM Zone 11
 UTM Easting 648043
 UTM Northing 4915063
 Date of Assessment 7/12/2007
 Time 12:12
 Observers M.Jeffress, B.Gamett, T.Brewer, E.Tillotson, C.Farmer, M.Perkins
 Length 100
 Width 1 8.5
 Width 2 7.3
 Width 3 7.2
 Width 4 6.6
 Width 5 8.3
 Width 6 6.9
 Width 7 4.7
 Width 8 7.5
 Width 9 11.1
 Width 10 7.7
 Air Temperature 31.3
 Water Temperature 14.1
 Sampling Method E-Fish
 Number of Shockers 2
 Number of Netters 4
 Number of Passes 1
 Species 1 **Rainbow**
 Species 2 **Brook**
 Species 3 **Whitefish**
 Species 4 **Chinook**
 Species 5 **Unidentified Salmonid**
 Nongame Fish Species **Sculpin**
 Comments Tailed Frogs. Unidentified Salmonids (33mm and 30mm)

Pass #1				
	Rainbow Trout	Brook Trout	Mountain Whitefish	Chinook Salmon
	100	159	286	81
		138		78
		128		77
		60		74
				72
				72
				70
				70
				66
				66
				64
				54

Site Code	155
Tracking Code	2008-23
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Marsh Creek
Site Description	Above confluence with Dry Creek
UTM Zone	11
UTM Easting	650188
UTM Northing	4912543
Date of Assessment	7/17/2008
Time	14:21
Observers	B. Gamett, T. Brewer, E. Tillotson
Length	72
Width 1	1.9
Width 2	2.1
Width 3	2.5
Width 4	1.8
Width 5	1.8
Width 6	2.2
Width 7	1.7
Air Temperature	27.7
Water Temperature	15.2
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	2
Number of Passes	1
Species 1	Brook
Nongame Fish Present	Sculpin
Comments	Standard sampling site/voucher specimens collected. Took sample specimens of nongame fish species.

Pass #1

Brook Trout
220
198
170
166
159
159
155
152
148
145
141
137
136
135
134
133
128
126
125
125
123
107
65
60
60
59
58
55
55
54
53

Site Code

156

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, General Parr Monitoring (GPM) program, unpublished data

Site Code 157

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, General Parr Monitoring (GPM) program, unpublished data

Site Code 158

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, General Parr Monitoring (GPM) program, unpublished data

Site Code 159

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, General Parr Monitoring (GPM) program, unpublished data

Site Code 160

Tracking Code 2002-SNK030
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Martindale Creek
 UTM Zone 11
 UTM Easting 694046
 UTM Northing 4965191
 Date of Assessment 8/20/2002
 Time 15:00
 Observers T.Adams, J.Markham
 Length 92
 Width 1 0.9
 Width 2 0.9
 Width 3 1.3
 Width 4 1.4
 Width 5 1.4
 Width 6 1.7
 Width 7 1.6
 Width 8 1.1
 Width 9 1.3
 Width 10 1.4
 Width 11 5.5
 Air Temperature 20.5
 Water Temperature 9.4
 Sampling Method Snorkel
 Number of Snorkelers 1 Snorkeler
 Species 1 **Bull**
 Species 2 **Cutthroat**
 Comments Channel runs through steep narrow canyon but gradient here is B (possibly borderline A). One fish measuring 0-50 mm observed, unable to identify to species (Oncorhynchus sp.).

Length (mm)	Bull	Cutthroat	Oncorhynchus sp.
0-50		5	1
50-100		10	
100-150		4	
150-200	1	2	
200-250			
>250			

Site Code 161
 Tracking Code 2002-SNK031
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Martindale Creek
 UTM Zone 11
 UTM Easting 692059
 UTM Northing 4965984
 Date of Assessment 8/20/2002
 Time 16:00
 Observers T.Adams, J.Markham
 Length 43.3
 Width 1 2.2
 Width 2 1.3
 Width 3 3.6
 Width 4 2.8
 Width 5 1.8
 Width 6 2.3
 Air Temperature 18.8
 Water Temperature 8.9
 Sampling Method Snorkel
 Number of Snorkelers 1 Snorkeler
 Comments No Fish. Because no fish seen, barrier probably confines all fish to lower reach below waterfall. Lots of tailed frogs. Mikes altimeter watch shows a 40-50 ft. Elevation gain from bottom-top of waterfall. Definite fish migration barrier.

Site Code 162
 Tracking Code 2007-72
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Mayfield Creek
 Site Description 50 meter reach ends at cement foundation/metal pipe.
 UTM Zone 11
 UTM Easting 671180
 UTM Northing 4934359
 Date of Assessment 7/23/2007
 Time 17:30
 Observers M.Jeffress, E.Tillotson, C.Farmer, J.Montoya
 Length 50
 Width 1 10.3
 Width 2 11
 Width 3 11.4
 Width 4 10.3
 Width 5 10
 Air Temperature 31
 Water Temperature 14
 Sampling Method E-Fish
 Number of Shockers 1
 Number of Netters 3
 Number of Passes 1
 Species 1 **Rainbow**
 Species 2 **BrookxBull**
 Species 3 **Bull**
 Species 4 **Whitefish**
 Species 5 **Chinook**
 Nongame Fish Present **Sculpin**

Pass #1	Rainbow Trout	BkxBI Hybrid	Bull Trout	Mountain Whitefish	Chinook Salmon
	181	205	201	316	73
	165		≈180		64
	165				64
	120				64
	114				63
	111				61
	109				61
	108				59
	104				54
	103				53
	102				52

100
100

Site Code	163
Tracking Code	2007-73
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Mayfield Creek
Site Description	36.2 m above diversion, reach begins where side channel comes in from right bank
UTM Zone	11
UTM Easting	671572
UTM Northing	4934146
Date of Assessment	7/23/2007
Time	16:23
Observers	M.Jeffress, E.Tillotson, C.Farmer, J.Montoya
Length	50
Width 1	11.9
Width 2	10.3
Width 3	12.2
Width 4	11.2
Width 5	12.9
Air Temperature	31
Water Temperature	14
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	3
Number of Passes	1
Species 1	Rainbow
Species 2	Bull
Species 3	Whitefish
Species 4	Chinook
Nongame Fish Present	Sculpin
Comments	Tailed frog tadpoles.

Pass #1

Rainbow Trout	Bull Trout	Mountain Whitefish	Chinook Salmon
193	211	304	79
189			77
187			77
165			74
156			71
152			67
112			66
111			62
111			56
107			
106			
103			
99			
92			
85			

Site Code 164
 Tracking Code 2002-SNK034
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Melville Creek
 UTM Zone 11
 UTM Easting 690595
 UTM Northing 4962594
 Date of Assessment 8/21/2002
 Time 17:15
 Observers T.Adams, M.Stephens
 Length 85.6
 Width 1 3
 Width 2 1.4
 Width 3 1.9
 Width 4 1.5
 Width 5 1.7
 Width 6 2
 Width 7 2.5
 Width 8 2
 Width 9 1.6
 Width 10 1.5
 Air Temperature 17.2
 Water Temperature 9.4
 Sampling Method Snorkel
 Number of Snorkelers 2 Snorkelers
 Species 1 **Cutthroat**
 Comments

Good LWD pools, high CT density for such a small stream. Not much UC bank, riparian shrubs good but not real dense. Banks stable, no downcutting evident. One fish measuring 0-50 mm observed, unable to identify to species (*Oncorhynchus* sp.).

Length (mm)	Cutthroat	Oncorhynchus sp.
0-50		9
50-100	32	
100-150	12	
150-200	2	
200-250		
>250		

Site Code 165
 Tracking Code 2007-58
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Middle Fork Salmon River
 Site Description Big Pine campsite, 200 m along left side of river
 UTM Zone 11
 UTM Easting 678760
 UTM Northing 4997598
 Date of Assessment 7/10/2007
 Time 9:19
 Observers M.Jeffress, T.Brewer, C.Farmer, E.Tillotson
 Length 200
 Air Temperature 20.1
 Water Temperature 19.4
 Sampling Method E-Fish
 Number of Shockers 1
 Number of Netters 3
 Number of Passes 1
 Species 1 **Cutthroat**
 Nongame Fish Present **Sculpin, Longnose Dace**
 Comments

Standard sampling site/voucher specimens collected. Took sample specimens of nongame fish species.

Pass #1
 Cutthroat Trout
 47
 44

Site Code 166
Tracking Code 2007-60
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Middle Fork Salmon River
Site Description Sandbar at Indian Creek
UTM Zone 11
UTM Easting 649422
UTM Northing 4957576
Date of Assessment 7/6/2007
Time 7:30
Observers M.Jeffress, E.Tillotson, C.Farmer, T.Brewer
Length 100
Air Temperature 22.3
Water Temperature 17.3
Sampling Method E-Fish
Number of Shockers 1
Number of Netters 3
Number of Passes 1
Species 1 **Chinook**
Nongame Fish Present **Sculpin, Sucker, Dace**
Comments Standard sampling site/voucher specimens collected. Took sample specimens of nongame fish species. Battery shocker ineffective in stunning fish.

Pass #1
Chinook Salmon
71
69

Site Code 167
Tracking Code 2006-11
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Middle Fork Salmon River
Site Description M.F. Salmon River near Bernard Creek above, @, below mouth of Bernard Creek (~200 above & ~150 below)
UTM Zone 11
UTM Easting 678573
UTM Northing 4982486
Date of Assessment 7/27/2006
Time 10:53
Observers M.Jeffress, J.Pyron, M.Tillitson, M.Haroldsen, T.Brewer
Length 350
Air Temperature 40
Water Temperature 23.3
Sampling Method E-fish
Number of Shockers 2
Number of Netters 3
Number of Passes 1
Species 1 **Rainbow**
Species 2 **Bull**
Species 3 **CutthroatxRainbow**
Species 4 **Whitefish**
Species 5 **Chinook**
Nongame Fish Present **Lamprey, Sculpin, Suckers (311,211), Dace, redbase shiners**
Comments Standard sampling site/voucher specimens collected. Took sample specimens of nongame fish species. Hook and line sample for 2 hrs: landed one cutbow ≈200 mm and hooked one whitefish

Pass #1

Rainbow Trout	Bull Trout	CtxRb Hybrid	Mountain Whitefish	Chinook Salmon
174	231	236	281	102
			215	94
				93
				92
				91
				89
				86
				86
				84
				83

Site Code 168
Tracking Code 2007-Voucher-1
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Middle Fork Salmon River
Site Description Above Little Creek
UTM Zone 11
UTM Easting 658541
UTM Northing 4954005
Date of Assessment 8/3/2007
Sampling Method E-Fish
Nongame Fish Present **Mottled Sculpin**
Nongame Fish Present **Longnose Dace**
Comments Voucher specimen collection site only.

Site Code 169
Tracking Code 2007-Voucher-2
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Middle Fork Salmon River
Site Description Lower Grouse Campground
UTM Zone 11
UTM Easting 676413
UTM Northing 4970939
Date of Assessment 7/8/2007
Sampling Method E-Fish
Nongame Fish Present **Mottled Sculpin**
Nongame Fish Present **Longnose Dace**
Nongame Fish Present **Speckled Dace**
Comments Voucher specimen collection site only.

Site Code 170
Tracking Code 2007-Voucher-3
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Middle Fork Salmon River
Site Description Mahoney Campsite
UTM Zone 11
UTM Easting 664995
UTM Northing 4957193
Date of Assessment 7/7/2007
Sampling Method E-Fish
Nongame Fish Present **Mottled Sculpin**
Nongame Fish Present **Shorthead Sculpin**
Nongame Fish Present **Longnose Dace**
Comments Voucher specimen collection site only.

Site Code 171
Tracking Code 2007-Voucher-4
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Middle Fork Salmon River
Site Description At Marble Creek
UTM Zone 11
UTM Easting 657037
UTM Northing 4956234
Date of Assessment 8/2/2007
Sampling Method E-Fish
Nongame Fish Present **Mottled Sculpin**
Comments Voucher specimen collection site only.

Site Code 172
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, 2005-2006 Middle Fork Lamprey Survey, unpublished data.

Site Code 173
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, 2005-2006 Middle Fork Lamprey Survey, unpublished data.

Site Code 174
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, 2005-2006 Middle Fork Lamprey Survey, unpublished data.

Site Code 175
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, 2005-2006 Middle Fork Lamprey Survey, unpublished data.

Site Code 176
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, 2005-2006 Middle Fork Lamprey Survey, unpublished data.

Site Code 177
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, 2005-2006 Middle Fork Lamprey Survey, unpublished data.

Site Code 178
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, 2005-2006 Middle Fork Lamprey Survey, unpublished data.

Site Code 179
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, 2005-2006 Middle Fork Lamprey Survey, unpublished data.

Site Code 180
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, 2005-2006 Middle Fork Lamprey Survey, unpublished data.

Site Code 181
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, 2005-2006 Middle Fork Lamprey Survey, unpublished data.

Site Code 182
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, 2005-2006 Middle Fork Lamprey Survey, unpublished data.

Site Code 183
Tracking Code 2007-Voucher-5
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Middle Fork Salmon River
Site Description Mouth of Camas
UTM Zone 11
UTM Easting 679908
UTM Northing 4973235
Date of Assessment 7/8/2007
Sampling Method E-fish
Nongame Fish Present **Lamprey**
Comments Voucher specimen collection site only.

Site Code 206

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, Curet et al. (in progress); UTM coordinates are from Idaho Department of Fish and Game, unpublished data

Site Code 207

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, Curet et al. (in progress); UTM coordinates are from Idaho Department of Fish and Game, unpublished data

Site Code 208

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, Curet et al. (in progress); UTM coordinates are from Idaho Department of Fish and Game, unpublished data

Site Code 209

Tracking Code	2007-09
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Mystery Creek
Site Description	50 m reach starts at big rock on right bank.
UTM Zone	11
UTM Easting	676621
UTM Northing	4930540
Date of Assessment	6/5/2007
Time	12:08
Observers	M.Jeffress, T.Brewer, E.Tillotson
Length	50
Width 1	2.8
Width 2	2.2
Width 3	2.2
Width 4	2.5
Width 5	4
Air Temperature	14.9
Water Temperature	7.4
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	2
Number of Passes	1
Nongame Fish Present	No Fish. Very high gradient stream below reach (>20%). 13 tailed frog tadpoles.

Site Code 210

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, Esselman et al. (2008)

Site Code 211

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, Esselman et al. (2008)

Site Code 212
 Tracking Code 2007-69
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Pioneer Creek
 Site Description Reach begins 0.6 miles from Loon-Knapp Creek trail at confluence with General Creek.
 UTM Zone 11
 UTM Easting 670378
 UTM Northing 4930555
 Date of Assessment 7/24/2007
 Time 9:31
 Observers M.Jeffress, C.Farmer
 Length 50
 Width 1 5.7
 Width 2 5
 Width 3 9.7
 Width 4 9.4
 Width 5 6.4
 Sampling Method E-Fish
 Number of Shockers 1
 Number of Netters 1
 Number of Passes 1
 Species 1 **Rainbow**
 Species 2 **Bull**
 Species 3 **Cutthroat**
 Species 4 **CutthroatxRainbow**
 Comments Lots of down fall in stream.

Pass #1

Rainbow Trout	Bull Trout	Cutthroat Trout	CtxRb Hybrid
214	179	164	181
	174	124	167
	162		
	142		
	139		
	133		
	91		
	89		
	88		

Site Code 213

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, Curet et al. (in progress)

Site Code 214

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, Curet et al. (in progress)

Site Code	215
Tracking Code	SNK032
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Pole Creek
UTM Zone	11
UTM Easting	687601
UTM Northing	4961513
Date of Assessment	8/21/2002
Time	10:50
Observers	T.Adams, J.Markham
Length	81.4
Width 1	2.1
Width 2	3.1
Width 3	4
Width 4	2.3
Width 5	2.5
Width 6	1.8
Width 7	3.5
Width 8	1.9
Width 9	2.2
Width 10	4
Width 11	2.4
Air Temperature	19.4
Water Temperature	5.6
Sampling Method	Snorkel
Number of Snorkelers	1 Snorkeler
Comments	No fish seen. Crystal clear H2O like looking through air. Stream looks like excellent fish habitat. Spawning for bull trout low-substrate mostly small cobble to boulder with limited gravels. Geology=granite.

Site Code	216
Tracking Code	2007-41
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Prospect Creek
Site Description	Reach begins at trail crossing
UTM Zone	11
UTM Easting	655044
UTM Northing	4923625
Date of Assessment	6/27/2007
Time	14:23
Observers	M. Jeffress, T. Brewer, C. Farmer
Length	50
Width 1	2.35
Width 2	1.45
Width 3	0.6
Width 4	1.8
Width 5	1.8
Width 6	1.45
Air Temperature	27.9
Water Temperature	12.4
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	2
Number of Passes	1
Species 1	Bull
Nongame Species	Sculpin
Comments	Tailed frogs and tailed frog tadpoles present.

Pass #1
 Bull Trout
 116
 102
 96
 95
 93
 87
 62

Site Code 217

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, Esselman et al. (2008)

Site Code 218

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, Curet et al. (in progress)

Site Code 219

Tracking Code 2007-10
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Rabbit Creek
Site Description 50 m stretch, 1/2 mile above confluence, at edge of burned area.
UTM Zone 11
UTM Easting 667859
UTM Northing 4934076
Date of Assessment 6/6/2007
Observers 16:40
Length M.Jeffress, T.Brewer, C.Farmer, E.Tillotson
Width 1 50
Width 2 3.1
Width 3 3.2
Width 4 3.5
Width 5 2.3
Width 6 2.1
Air Temperature 4.4
Water Temperature 5.1
Sampling Method E-Fish
Number of Shockers 1
Number of Netters 2
Number of Passes 1
Species 1 **Bull**
Species 2 **Cutthroat**
Species 3 **CutthroatxRainbow**
Comments Bear ran after us at confluence of Rabbit & Trail, also this is the coldest day ever. Six tadpoles.

Pass #1

Bull Trout	Cutthroat Trout	CtxRb Hybrid
122	156	101
	149	85
	139	
	131	
	99	
	96	
	96	
	94	
	92	
	54	
	51	
	50	

Site Code	220
Tracking Code	2007-63
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Ranch Creek
Site Description	at point of diversion (above diversion)
UTM Zone	11
UTM Easting	645883
UTM Northing	4954837
Date of Assessment	7/5/2007
Time	11:26
Observers	M.Jeffress, T.Brewer, E.Tillotson, C.Farmer
Length	50
Width 1	2
Width 2	1.1
Width 3	1.6
Width 4	1.4
Width 5	1.4
Air Temperature	35.9
Water Temperature	13.9
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	1
Number of Passes	1
Comments	Tailed Frog tadpoles. No fish present above diversion. Walked ≈400 m above diversion and found several small waterfalls. Stream was very brushy.

Site Code	221
Tracking Code	2007-V-03
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Ranch Creek
Site Description	Private Property line (maybe?), trail crossing.
UTM Zone	11
UTM Easting	646452
UTM Northing	4954732
Date of Assessment	7/5/2007
Time	12:11
Observers	M.Jeffress, C.Farmer, T.Brewer, E.Tillotson
Width 1	0.75
Width 2	0.7
Width 3	0.4
Width 4	1.2
Width 5	Dry
Width 6	Dry
Width 7	Dry
Width 8	0.6
Width 9	0.7
Width 10	0.5
Air Temperature	36.4
Water Temperature	14.6
DETERMINATION:	Perennial Flow - No Suitable Fish Habitat - No Additional Sampling Needed
Comments	Very low flow and land slide has caused the stream to go subsurface for ≈30 m.

Site Code 222
Tracking Code 2007-78
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Rapid River
Site Description Reach begins at confluence of Rapid River and Float Creek, reach ends at bridge.
UTM Zone 11
UTM Easting 653233
UTM Northing 4936836
Date of Assessment 7/30/2007
Observers M.Jeffress, E.Tillotson, C.Farmer, T.Brewer
Length 80
Width 1 10.8
Width 2 10.7
Width 3 11.9
Width 4 10.7
Width 5 11.2
Width 6 11.4
Width 7 10.9
Width 8 9.6
Air Temperature 26.5
Water Temperature 12
Sampling Method E-Fish
Number of Shockers 2
Number of Netters 2
Number of Passes 1
Species 1 **Rainbow**
Species 2 **Bull**
Species 3 **Cutthroat**
Species 4 **Whitefish**
Species 5 **CutthroatxRainbow**
Nongame Fish Present **Sculpin**

Pass #1	Rainbow Trout	Bull Trout	Cutthroat Trout	Mountain Whitefish	CtxRb Hybrid
	151	142	142	275	159
	141				150

Site Code 223
Tracking Code 2008-Voucher-3
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Rapid River
Site Description At confluence with Sulfur Creek
UTM Zone 11
UTM Easting 653053
UTM Northing 4938577
Date of Assessment 7/16/2008
Sampling Method E-fish
Nongame Fish Present **Shorthead Sculpin**
Comments Voucher specimen collection site only. Sculpin voucher site.

Site Code 224
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, 2008 Rapid River snorkel survey, unpublished data

Site Code 225
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, 2008 Rapid River snorkel survey, unpublished data

Site Code 226
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, 2008 Rapid River snorkel survey, unpublished data

Site Code 227
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, 2008 Rapid River snorkel survey, unpublished data

Site Code 228
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, 2008 Rapid River snorkel survey, unpublished data

Site Code 229
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, 2008 Rapid River snorkel survey, unpublished data

Site Code 230
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, 2008 Rapid River snorkel survey, unpublished data

Site Code 231
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, 2008 Rapid River snorkel survey, unpublished data

Site Code 232
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, 2008 Rapid River snorkel survey, unpublished data

Site Code 233
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, 2008 Rapid River snorkel survey, unpublished data

Site Code 234
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, 2008 Rapid River snorkel survey, unpublished data

Site Code 235
Tracking Code 2007-26
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Rat Creek
Site Description 0.37 miles from confluence on Loon Creek, below fish barrier.
UTM Zone 11
UTM Easting 673170
UTM Northing 4939056
Date of Assessment 6/19/2007
Time 10:51
Observers T.Brewer, E.Tillotson, J.Montoya
Length 50
Width 1 2.75
Width 2 1.7
Width 3 2.1
Width 4 1.8
Width 5 1.7
Air Temperature 23.3
Water Temperature 10.1
Sampling Method E-Fish
Number of Shockers 1
Number of Netters 2
Number of Passes 1
Comments No fish

Site Code 236
 Tracking Code 2007-27
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Rat Creek
 Site Description 279 ft above fish barrier, 0.5 miles above confluence with Loon Creek.
 UTM Zone 11
 UTM Easting 673309
 UTM Northing 4938979
 Date of Assessment 6/19/2007
 Time 9:40
 Observers T.Brewer, J.Montoya, E.Tillotson
 Length 50
 Width 1 1.85
 Width 2 1.6
 Width 3 1.2
 Width 4 1.65
 Width 5 1.4
 Air Temperature 22
 Water Temperature 8
 Sampling Method E-Fish
 Number of Shockers 1
 Number of Netters 2
 Number of Passes 1
 Comments No Fish

Site Code 237
 Tracking Code 2007-37
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Seafoam Creek
 Site Description Diversion #2 (50 meter reach below diversion)
 UTM Zone 11
 UTM Easting 653156
 UTM Northing 4933658
 Date of Assessment 6/27/2007
 Time 9:25
 Observers M. Jeffress, T. Brewer, C. Farmer
 Length 50
 Width 1 5.3
 Width 2 2.9
 Width 3 3.9
 Width 4 3.4
 Width 5 6.2
 Air Temperature 16.8
 Water Temperature 8.1
 Sampling Method E-Fish
 Number of Shockers 1
 Number of Netters 2
 Number of Passes 1
 Species 1 **Bull**
 Species 2 **Cutthroat**
 Species 3 **CutthroatxRainbow**
 Nongame Fish Present **Sculpin**
 Comments Tailed frog tadpoles

Pass #1	Bull Trout	Cutthroat Trout	CtxRb Hybrid
	137	267	186
	41		169
			150
			106
			75
			73
			62
			62

Site Code 238
 Tracking Code 2007-38
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Seafoam Creek
 Site Description Diversion #2 (50 meters above diversion)
 UTM Zone 11
 UTM Easting 653156
 UTM Northing 4933658
 Date of Assessment 6/27/2007
 Time 8:40
 Observers M. Jeffress, T. Brewer, C. Farmer
 Length 50
 Width 1 6.8
 Width 2 3.4
 Width 3 7.4
 Width 4 4.3
 Width 5 6.9
 Air Temperature 12.2
 Water Temperature 8.1
 Sampling Method E-Fish
 Number of Shockers 1
 Number of Netters 2
 Number of Passes 1
 Species 1 **Rainbow**
 Species 2 **Brook**
 Species 3 **Bull**
 Species 4 **CutthroatxRainbow**
 Nongame Fish Present **Sculpin**
 Comments Tailed frogs/Tailed frog tadpoles. 2 unidentified fish caught (37, 39)

Pass #1	Rainbow Trout	Brook Trout	Bull Trout	CtxRb Hybrid
	70	123	154	147
	64		140	
	62			
	52			

Site Code 239
 Tracking Code 2007-39
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Seafoam Creek
 Site Description Above diversion #2. Reach started where our reach from diversion #1 ended.
 UTM Zone 11
 UTM Easting 653090
 UTM Northing 4933674
 Date of Assessment 6/27/2007
 Time 10:20
 Observers M. Jeffress, T. Brewer, C. Farmer
 Length 100
 Width 1 6.5
 Width 2 2.5
 Width 3 3.2
 Width 4 3.15
 Width 5 3.1
 Width 6 3.9
 Width 7 2.9
 Width 8 3.85
 Width 9 4
 Width 10 4.5
 Air Temperature 21
 Water Temperature 8.8
 Sampling Method E-Fish
 Number of Shockers 1
 Number of Netters 2
 Number of Passes 1
 Species 1 **Rainbow**
 Species 2 **Cutthroat**
 Species 3 **CutthroatxRainbow**

Nongame Fish Present
Comments

Sculpin

Could not find any sign of diversion and we walked \approx 1/4 mile above and below GPS coordinate listed for diversion #2.

Pass #1

Rainbow Trout	Cutthroat Trout	CtxRb Hybrid
65	122	148
62	101	133
60		110

Site Code

240

Tracking Code	2007-52
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Seafoam Creek
Site Description	Below first diversion, starts at the bridge
UTM Zone	11
UTM Easting	653539
UTM Northing	4933608
Date of Assessment	7/12/2007
Time	16:51
Observers	M.Jeffress, C.Farmer, E.Tillotson, T.Brewer
Length	50
Width 1	4.85
Width 2	3.6
Width 3	6.8
Width 4	2.75
Width 5	4
Air Temperature	27.3
Water Temperature	14
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	2
Number of Passes	1
Species 1	Bull
Species 2	CutthroatxRainbow
Nongame Fish Present	Sculpin
Comments	Tailed frog tadpoles

Pass #1

Bull Trout	CtxRb Hybrid
182	151
123	125
119	122
110	

Site Code

241

Tracking Code	2008-24
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Seafoam Creek
Site Description	Large meadow with "C" channel, approximately 1.6 miles up Road #010.
UTM Zone	11
UTM Easting	651462
UTM Northing	4933115
Date of Assessment	7/15/2008
Time	15:30
Observers	B. Gamett, T. Mangan, M. McKelvey
Length	231
Width 1	8.7
Width 2	10
Width 3	9.8
Width 4	8.4
Width 5	7.5
Width 6	13.5
Width 7	5.1
Width 8	3.2
Width 9	5.6
Air Temperature	29.6
Water Temperature	13

Sampling Method	E-fish
Number of Shockers	1
Number of Netters	3 (2 regular netters plus shocker operator netting)
Number of Passes	1
Species 1	Brook
Species 2	Bull
Species 3	Cutthroat
Nongame Fish Present	Sculpin
Comments	Surprised to see sculpin this high in this canyon.

Pass #1

Brook Trout	Bull Trout	Cutthroat Trout
167	210	216
152		155
100		148

Site Code 242

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, 2008 Rapid River snorkel survey, unpublished data

Site Code 243

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, 2008 Rapid River snorkel survey, unpublished data

Site Code 244

Tracking Code	2008-11
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Shady Creek
Site Description	Bottom of reach is 200 m above road crossing
UTM Zone	11
UTM Easting	656293
UTM Northing	4933790
Date of Assessment	7/16/2008
Time	13:52
Observers	T. Brewer, E. Tillotson, E. Kern, J.Way
Length	50
Width 1	2.9
Width 2	3
Width 3	2.8
Width 4	2.9
Width 5	4.6
Air Temperature	26.6
Water Temperature	8.3
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	2
Number of Passes	1
Comments	NO FISH. Frogs present.

Site Code 245

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, 2008 Rapid River snorkel survey, unpublished data

Site Code	246
Tracking Code	2007-42
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Shake Creek
Site Description	Reach begins where spring flows in from the right bank
UTM Zone	11
UTM Easting	650202
UTM Northing	4922941
Date of Assessment	6/27/2007
Time	15:54
Observers	M. Jeffress, T. Brewer, C. Farmer
Length	50
Width 1	2.65
Width 2	2.7
Width 3	2.6
Width 4	3.65
Width 5	3.8
Air Temperature	31.8
Water Temperature	14.5
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	2
Number of Passes	1
Species 1	Bull
Comments	Tailed frogs and tadpoles

Pass #1

Bull Trout
156
151
147
117
94
68
62

Site Code	247
Tracking Code	2006-12
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Sheep Creek
Site Description	300 meters above confluence, located in an area with cascading pools
UTM Zone	11
UTM Easting	672543
UTM Northing	4975913
Date of Assessment	7/24/2006
Observers	17:35
Width 1	M.Jeffress, J.Pyron, T.Brewer
Width 2	50
Width 3	3.7
Width 4	3.1
Width 5	3.4
Width 6	1.8
Width 7	3.3
Width 8	1.2
Air Temperature	22.4
Water Temperature	14.6
Sampling Method	E-fish
Number of Shockers	1
Number of Netters	1
Number of Passes	1
Species 1	Cutthroat
Species 2	CutthroatxRainbow
Comments	Tailed frog tadpoles.

Pass #1

Cutthroat Trout	CtxRb Hybrid
190	141
165	141

148	141
107	137
104	130
99	125
67	117
64	116
63	111
	102
	102
	94
	93
	87
	77
	73
	71

Site Code	248
Tracking Code	2006-13
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Sheep Creek
Site Description	300 m above confluence
UTM Zone	11
UTM Easting	672431
UTM Northing	4976133
Date of Assessment	7/24/2006
Time	15:42
Observers	M.Jeffress, J.Pyron, T.Brewer
Length	63.6
Width 1	3.3
Width 2	2.9
Width 3	3.5
Width 4	3.1
Width 5	2.2
Width 6	3.1
Width 7	2.4
Air Temperature	32.6
Water Temperature	20.2
Sampling Method	E-fish
Number of Shockers	1
Number of Netters	1
Number of Passes	1
Species 1	Cutthroat
Species 2	CutthroatxRainbow
Comments	Didn't do reach 1/2 mile above confluence due to time and overall wear & tear.

Pass #1	
Cutthroat Trout	CtxRb Hybrid
208	212
153	205
	170
	148
	147
	140
	129
	112
	88

Site Code	249
Tracking Code	2006-14
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Sheep Creek
Site Description	below confluence
UTM Zone	11
UTM Easting	675238
UTM Northing	4977212
Date of Assessment	7/24/2006
Time	12:45
Observers	J.Pyron, T.Brewer, M.Jeffress
Length	75
Width 1	4.4
Width 2	3.1
Width 3	3.1
Width 4	4.5
Width 5	5.4
Width 6	10.3
Width 7	6.7
Width 8	2.7
Width 9	4.1
Air Temperature	26.3
Water Temperature	16.9
Sampling Method	E-fish
Number of Shockers	1
Number of Netters	1
Number of Passes	1
Species 1	Rainbow
Species 2	CutthroatxRainbow
Comments	YOY were Salmonid (unable to identify) 30+

Pass #1

Rainbow Trout	CtxRb Hybrid
241	221
238	114
236	109
202	106
201	101
186	92
176	
165	
141	
130	
123	
114	
114	
93	
81	

Site Code 250
 Tracking Code 2006-15
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Sheep Creek
 Site Description Reach lie approximately 1/4 mile below where the trail crosses creek and goes southwest towards the little bear drainage
 UTM Zone 11
 UTM Easting 677691
 UTM Northing 4978422
 Date of Assessment 7/26/2006
 Time 09:30
 Observers J.Pyron, M.Jeffress, M.Tillitson
 Length 123
 Width 1 4.2
 Width 2 5.3
 Width 3 4
 Width 4 6.3
 Width 5 9.5
 Width 6 7.8
 Width 7 4.5
 Width 8 6.2
 Width 9 9.7
 Width 10 7.7
 Air Temperature 27.1
 Water Temperature 16.2
 Sampling Method E-fish
 Number of Shockers 1
 Number of Netters 2
 Number of Passes 3
 Species 1 **Rainbow**
 Species 2 **CutthroatxRainbow**
 Nongame Fish Present **Sculpin and longnose dace**
 Comments Standard sampling site/voucher specimens collected. Took sample specimens of nongame fish species. 0 fish captured in third pass, missed one fish.

Pass #1

Rainbow Trout	CtxRb Hybrid
235	317
209	
195	
191	
178	
170	
164	
161	
149	
145	
143	
141	
136	
132	
132	
131	
126	
125	
125	
118	

Pass #2

Rainbow Trout	CtxRb Hybrid
212	200
181	
155	
154	
152	
143	
138	
126	
114	

Pass #3

Rainbow Trout

CtxRb Hybrid

Site Code

251

Tracking Code

2002-SNK021

Ranger District

Middle Fork

Watershed

Middle Fork Salmon

Stream

Sheep Creek

UTM Zone

11

UTM Easting

699112

UTM Northing

4960404

Date of Assessment

8/6/2002

Time

11:15

Observers

T.Adams, J.Markham

Length

54.1

Width 1

1.9

Width 2

1.2

Width 3

2.5

Width 4

1.6

Width 5

1

Width 6

2.2

Width 7

1.4

Width 8

1.2

Width 9

1.6

Width 10

1.2

Air Temperature

23.8

Water Temperature

7.8

Sampling Method

Snorkel

Number of Snorkeler

1 Snorkeler

Species 1

Bull

Comments

Excellent undercut and riparian vegetative cover. Max depth on 2 pools was 0.3m. There is evidence of cattle having been here at this site this year but no damage to riparian/banks other than two trail crossings. Banks are well armored in this section by boulders. Gradient is borderline A to B. Good shade cover.

Length (mm)

Bull

0-50

4

50-100

2

100-150

150-200

200-250

>250

Site Code

252

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source:

Idaho Department of Fish and Game, Esselman et al (2008)

Site Code

253

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source:

Idaho Department of Fish and Game, Curet et al. (in progress)

Site Code	254
Tracking Code	2002-SNK024
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Sheldon Creek
Site Description	Started at trail crossing.
UTM Zone	11
UTM Easting	694921
UTM Northing	4954972
Date of Assessment	8/7/2002
Time	13:30
Observers	T.Adams, J.Markham
Length	50
Width 1	2
Width 2	1.2
Width 3	1.1
Width 4	2.4
Width 5	1.1
Width 6	2
Width 7	1.1
Width 8	2.1
Width 9	1.5
Width 10	1.2
Width 11	2.5
Air Temperature	17.2
Water Temperature	5.6
Sampling Method	Snorkelers
Number of Snorkelers	2 Snorkelers
Comments	No Fish. Banks are in good to fair condition with little undercut. Evidence of cattle presence on lower section of reach where trail crosses.

Site Code	255
Tracking Code	2008-26
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Silver Creek
Site Description	Bottom of site is \approx 250 m from Silver Creek sign on main road
UTM Zone	11
UTM Easting	653735
UTM Northing	4930968
Date of Assessment	7/17/2008
Time	10:02
Observers	T. Brewer, E. Tillotson, M. McKelvey
Length	50
Width 1	2.5
Width 2	2.2
Width 3	1.8
Width 4	2
Width 5	2.7
Air Temperature	11.3
Water Temperature	6.4
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	1
Number of Passes	1
Comments	Steep Gradient, NO FISH, Pictures: 101-0965 A cascade \approx 20 m above the reach.

Site Code	256
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.	
Data source:	Idaho Department of Fish and Game, Curet et al. (in progress)

Site Code 257
 Tracking Code 2002-SNK025
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream South Fork Camas Creek
 Site Description This survey site is located just upstream of confluence with Sheldon Creek.
 UTM Zone 11
 UTM Easting 694895
 UTM Northing 4955005
 Date of Assessment 8/7/2002
 Time 15:00
 Observers T.Adams, J.Markham
 Length 203.5
 Width 1 4
 Width 2 4.5
 Width 3 3.1
 Width 4 4
 Width 5 3.2
 Width 6 5
 Width 7 4.8
 Width 8 3.3
 Width 9 2.2
 Width 10 3.8
 Width 11 4.6
 Width 12 4.1
 Air Temperature 17.7
 Water Temperature 8.9
 Sampling Method Snorkel
 Number of Snorkeler 1 Snorkeler
 Species 1 **Rainbow/steelhead**
 Species 2 **Bull**
 Comments There are some high cutbanks along this section that input sediment. Channel seems to have undergone recent disturbance with large bare gravel bars and braided channel. Woody debris recruitment is very good. Substrate has high deposits of sand/silt easily stirred up. Water is cloudy with suspended fines. The wood is providing excellent cover and pool formation.

Length (mm)	Rainbow/steelhead	Bull
0-50		
50-100	3	4
100-150	8	3
150-200		1
200-250		
>250		

Site Code 258
 Tracking Code 2002-SNK028
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Spider Creek
 UTM Zone 11
 UTM Easting 699332
 UTM Northing 4952044
 Date of Assessment 8/8/2002
 Time 15:15
 Observers T.Adams, J.Markham
 Length 39.5
 Width 1 2.1
 Width 2 1.5
 Width 3 2.7
 Width 4 2.5
 Width 5 1.8
 Width 6 2
 Width 7 3.1
 Air Temperature 18.3
 Water Temperature 8.9
 Sampling Method Snorkel
 Number of Snorkelers 1 Snorkeler
 Species 1 **Bull**
 Species 2 **Cutthroat**
 Comments Lots of boulders in narrow canyon make for almost continuous talus slopes on both sides of drainage.

Boulders form almost all pools-some LWD toward confluence w/Camas. Trees more sparse upstream, large substrate provides good cover.

Length (mm)	Bull	Cutthroat
0-50		
50-100	4	
100-150	3	3
150-200	1	2
200-250		
>250		
Site Code	259	
Tracking Code	2008-27	
Ranger District	Middle Fork	
Watershed	Middle Fork Salmon	
Stream	Sulphur Creek	
Site Description	Bottom of site is approximately 250 m above Rapid River	
UTM Zone	11	
UTM Easting	652860	
UTM Northing	4938472	
Date of Assessment	7/16/2008	
Time	14:45	
Observers	B. Gamett, M. McKelvey, T. Mangan	
Length	66	
Width 1	4.8	
Width 2	2	
Width 3	4.3	
Width 4	3.7	
Width 5	2.7	
Air Temperature	22	
Water Temperature	10.4	
Sampling Method	E-fish	
Number of Shockers	1	
Number of Netters	3 (2 netters plus shocker operator netting)	
Number of Passes	1	
Species 1	Rainbow	
Species 2	Cutthroat	
Species 3	Unidentified Salmonid	
Nongame Fish Present	Sculpin	
Comments	Relatively high gradient stream. One unidentified Salmonid measuring 60 mm.	
Pass #1		
Rainbow Trout	Cutthroat Trout	
130	109	
102		
Site Code	260	
Tracking Code	2008-28	
Ranger District	Middle Fork	
Watershed	Middle Fork Salmon	
Stream	Sulphur Creek (trib to Rapid River)	
Site Description	Bottom of site is approximately 200 m below where road #011 crosses the stream.	
UTM Zone	11	
UTM Easting	648367	
UTM Northing	4936707	
Date of Assessment	7/16/2008	
Time	10:00	
Observers	B. Gamett, T. Mangan, M. McKelvey	
Length	75	
Width 1	3.6	
Width 2	2	
Width 3	1.8	
Width 4	1.1	
Width 5	1.6	
Width 6	2.4	
Width 7	2	
Air Temperature	16.5	
Water Temperature	6.5	
Sampling Method	E-fish	
Number of Shockers	1	

Number of Netters 3 (2 regular netters plus shocker operator was netting)
 Number of Passes 1
 Comments No fish observed. 2 adult tailed frogs.

Site Code 261
 Tracking Code 2006-16
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Sulphur Creek
 Site Description Below diversion #1
 UTM Zone 11
 UTM Easting 634732
 UTM Northing 4934068
 Date of Assessment 7/10/2006
 Time 19:00
 Observers M.Haroldsen, M.Hallowell, T.Brewer
 Length ≈50
 Width 1 14.2
 Width 2 12
 Width 3 9.6
 Width 4 10.2
 Width 5 10.45
 Air Temperature 29.5
 Water Temperature 16.9
 Sampling Method E-fish
 Number of Shockers 1
 Number of Netters 2
 Number of Passes 1
 Species 1 **Rainbow**
 Species 2 **Chinook**
 Comments Numerous fish escaped because of current.

Pass #1
 Rainbow Trout 87
 Chinook Salmon 67

Site Code 262
 Tracking Code 2006-17
 Ranger District Middle Fork
 Watershed M.F. Salmon
 Stream Sulphur Creek
 Site Description Sulphur Creek above diversion #1
 UTM Zone 11
 UTM Easting 634739
 UTM Northing 4934061
 Date of Assessment 7/10/2006
 Time 18:40
 Observers M.Haroldsen, M.Hallowell, T.Brewer
 Length 50
 Width 1 14.2
 Width 2 11.9
 Width 3 11.5
 Width 4 10.2
 Width 5 11.9
 Air Temperature 30.6
 Water Temperature 17.1
 Sampling Method E-fish
 Number of Shockers 1
 Number of Netters 2
 Number of Passes 1
 Species 1 **Rainbow**
 Species 2 **Unidentified Salmonid**
 Nongame Fish Present **Sculpin**
 Comments Standard sampling site/voucher specimens collected. Took sample specimens of nongame fish species. One Salmonid 28mm long could not be identified. 3 frogs & a couple of tadpoles present. Size of stream made shocking nearly impossible/ineffective. Several larger fish were observed feeding prior to shocking because of the size of the stream the fish ran before being stunned.

Pass #1

Rainbow Trout
83
82

Site Code

Tracking Code
Ranger District
Watershed
Stream
Site Description
UTM Zone
UTM Easting
UTM Northing
Date of Assessment
Time
Observers
Length
Width 1
Width 2
Width 3
Width 4
Width 5
Air Temperature
Water Temperature
Sampling Method
Number of Shockers
Number of Netters
Number of Passes
Species 1
Species 2
Nongame Fish Present
Comments

263

2007-65
Middle Fork
Middle Fork Salmon
Sulphur Creek
Between diversion 1 and 2
11
634763
4933951
7/18/2007
14:16
M.Jeffress, C.Farmer, E.Tillotson, T.Brewer
50
14.2
11.6
11.5
12.5
10.4
37.7
21.5
E-Fish
1
3
1
Rainbow
Chinook
Sculpin
Unidentified tadpoles and frogs. Diversions do not pose threat to fish passage.

Pass #1

Rainbow Trout
89
84

Chinook Salmon
76
75
74
73
71
71
69
44

Site Code

Tracking Code
Ranger District
Watershed
Stream
Site Description
UTM Zone
UTM Easting
UTM Northing
Date of Assessment
Time
Observers
Length
Width 1
Width 2
Width 3
Width 4
Width 5
Air Temperature
Water Temperature
Sampling Method
Number of Shockers
Number of Netters
Number of Passes
Species 1

264

2007-66
Middle Fork
Middle Fork Salmon
Sulphur Creek
Reach ends where stream comes in from the right bank, approximately 500 m above diversion #2.
11
634467
4933554
7/18/2007
15:06
M.Jeffress, C.Farmer, E.Tillotson, T.Brewer
50
13.8
10.2
8.2
11.5
11.3
31.5
21.1
E-Fish
1
3
1
Rainbow

Species 2
 Species 3
 Species 4
 Nongame Fish Present
 Comments

Unidentified Salmonid
Whitefish
Chinook
Sculpin
 Unidentified frog. Pic 101-0593, 101-0594. Unidentified salmonids most likely Chinook Salmon.

Pass #1

Rainbow Trout	Unidentified Salmonid	Mountain Whitefish	Chinook Salmon
165	42	144	68
	41		44
	39		
	39		
	38		
	32		
	30		

Site Code

265
 Tracking Code 2007-67
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Sulphur Creek
 Site Description Reach begins at old road crossing, 0.3 miles below diversion 1.
 UTM Zone 11
 UTM Easting 635022
 UTM Northing 4934511
 Date of Assessment 7/18/2007
 Time 13:13
 Observers M.Jeffress, C.Farmer, E.Tillotson, T.Brewer
 Length 100
 Width 1 15
 Width 2 13.1
 Width 3 12
 Width 4 11.9
 Width 5 12
 Air Temperature 32.4
 Water Temperature 20.4
 Sampling Method E-Fish
 Number of Shockers 1
 Number of Netters 3
 Number of Passes 1
 Species 1 **Rainbow**
 Species 3 **Chinook**
 Nongame Fish Present **Sculpin**
 Comments 1 (38) unidentified fish.

Pass #1

Rainbow Trout	Chinook Salmon
177	82
163	62
145	
137	
132	
128	
89	
80	

Site Code

266
 This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
 Data source: Idaho Department of Environmental Quality, Beneficial Use Reconnaissance Project (BURP), unpublished data

Site Code

267
 This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
 Data source: Idaho Department of Fish and Game, General Parr Monitoring (GPM) program, unpublished data

Site Code 268

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, General Parr Monitoring (GPM) program, unpublished data

Site Code 269

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, General Parr Monitoring (GPM) program, unpublished data

Site Code 270

Tracking Code 2007-35
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Swamp Creek
 Site Description Reach begins 42 meters above tributary
 UTM Zone 11
 UTM Easting 646733
 UTM Northing 4910596
 Date of Assessment 6/25/2007
 Time 14:36
 Observers M. Jeffress, T. Brewer, C. Farmer
 Length 119
 Width 1 2.6
 Width 2 3
 Width 3 5.85
 Width 4 3.3
 Width 5 2.5
 Width 6 6.45
 Width 7 6.25
 Width 8 4.2
 Width 9 4.6
 Width 10 2.5
 Air Temperature 25.8
 Water Temperature 9.2
 Sampling Method E-Fish
 Number of Shockers 1
 Number of Netters 2
 Number of Passes 1
 Species 1 **Brook**
 Species 2 **Bull**
 Nongame Fish Present **Sculpin**
 Comments Missed ≈ 6 other salmonids in the 30-60mm range and ≈ 12 salmonids < 20mm were observed.

Pass #1

Bull Trout	Brook Trout
128	64
76	
60	

Site Code 271

Tracking Code 2008-29
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Swamp Creek
 Site Description Top of site is bottom of culvert on state highway
 UTM Zone 11
 UTM Easting 648346
 UTM Northing 4913497
 Date of Assessment 7/17/2008
 Time 11:00
 Observers B. Gamett, E.Kern, T. Mangan
 Length 72
 Width 1 0.7
 Width 2 1.7
 Width 3 3.3
 Width 4 3.8
 Width 5 4
 Air Temperature 22.6
 Water Temperature 9.5

Sampling Method	E-fish
Number of Shockers	1
Number of Netters	3 (2 regular netters plus shocker operator)
Number of Passes	1
Species 1	Brook
Species 2	Bull
Species3	Chinook

Pass #1

Brook Trout	Bull Trout	Chinook Salmon
144	166	115
125		74
117		
116		

Site Code

Tracking Code	272
Ranger District	2007-24
Watershed	Middle Fork
Stream	Middle Fork Salmon
Site Description	Thatcher Creek
UTM Zone	Reach begins 50 meters above road crossing
UTM Easting	11
UTM Northing	645954
Date of Assessment	4912031
Time	6/21/2007
Observers	12:23
Length	M.Jeffress, T.Brewer, C.Farmer, E.Tillotson
Width 1	100
Width 2	1
Width 3	1.4
Width 4	1.4
Width 5	1.6
Width 6	1.75
Width 7	2.7
Width 8	1.8
Width 9	1.3
Width 10	1.45
Air Temperature	1.65
Water Temperature	25.8
Sampling Method	10.1
Number of Shockers	E-Fish
Number of Netters	1
Number of Passes	1
Species 1	Bull

Pass #1

Bull Trout
102

Site Code

Tracking Code	273
Ranger District	2008-30
Watershed	Middle Fork
Stream	Middle Fork Salmon
Site Description	Thatcher Creek
UTM Zone	≈70 m from road, reach begins
UTM Easting	11
UTM Northing	647806
Date of Assessment	4914063
Time	6/11/2008
Observers	13:45
Length	T. Brewer, E. Tillotson
Width 1	100
Width 2	3.8
Width 3	2.9
Width 4	1.9
Width 5	7.4
Width 6	4.05
Width 7	5.8
	4.7

Width 8	4.15
Width 9	4.65
Width 10	3.1
Air Temperature	9.3
Water Temperature	5
Sampling Method	E-fish
Number of Shockers	1
Number of Netters	1
Number of Passes	1
Species 1	Brook
Nongame Fish Present	Sculpin

Pass #1

Brook Trout
77
73

Site Code	274
Tracking Code	2007-81
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Thomas Creek
Site Description	Reach begins below diversion
UTM Zone	11
UTM Easting	656791
UTM Northing	4952622
Date of Assessment	8/1/2007
Time	12:57
Observers	M.Jeffress, C.Farmer, T.Peters
Length	50
Width 1	1.6
Width 2	1.3
Width 3	2
Width 4	1.4
Width 5	2.5
Air Temperature	25
Water Temperature	14
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	1
Number of Passes	1
Species 1	Rainbow
Species 2	Cutthroat
Species 3	CutthroatxRainbow
Comments	Tailed frog tadpoles. Unidentified frog. Unidentified fish (39, 38, 35, 32, 32).

Pass #1

Rainbow Trout	Cutthroat Trout	CtxRb Hybrid
72	202	153
	131	143
	106	119
		117
		115
		112
		108
		107
		106
		104
		102
		101
		99
		98
		93
		93
		92
		90
		83
		83
		82
		74

Site Code 275
 Tracking Code 2007-82
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Thomas Creek
 Site Description Reach starts at point of diversion
 UTM Zone 11
 UTM Easting 656676
 UTM Northing 4952274
 Date of Assessment 8/1/2007
 Time 12:00
 Observers M.Jeffress, C.Farmer, T.Peters
 Length 50
 Width 1 3.5
 Width 2 2.4
 Width 3 2.6
 Width 4 2.3
 Width 5 2.8
 Air Temperature 19
 Water Temperature 13
 Sampling Method E-Fish
 Species 1 **Cutthroat**
 Species 2 **CutthroatxRainbow**
 Comments Tailed frog tadpoles. 1-37 mm unidentified fish.

Pass #1

Cutthroat Trout	CtxRb Hybrid
229	175
143	142
79	121
	119
	113
	112
	111
	109
	107
	95
	94
	87
	86
	85
	84
	74

Site Code 276
 This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
 Data source: Idaho Department of Fish and Game, Esselman et al (2008)

Site Code	277
Tracking Code	2007-11
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Trail Creek
Site Description	400 m above confluence
UTM Zone	11
UTM Easting	666018
UTM Northing	4933341
Date of Assessment	6/6/2007
Time	14:32
Observers	M.Jeffress, T.Brewer, E.Tillotson, C.Farmer
Length	50
Width 1	3.15
Width 2	4.2
Width 3	3.55
Width 4	4
Width 5	3.9
Air Temperature	4.8
Water Temperature	5
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	3
Number of Passes	1
Species 1	Bull
Comments	Recent burn on both sides of stream

Pass #1

Bull Trout
120
110
82

Site Code	278
Tracking Code	2007-12
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Trail Creek
Site Description	50 m reach above diversion
UTM Zone	11
UTM Easting	669169
UTM Northing	4933864
Date of Assessment	6/6/2007
Time	12:30
Observers	M.Jeffress, T.Brewer, C.Farmer, E.Tillotson
Length	50
Width 1	7.7
Width 2	6.9
Width 3	8.1
Width 4	6.7
Width 5	6.2
Air Temperature	3.9
Water Temperature	5.2
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	3
Number of Passes	1
Comments	Fire burned both sides of stream, NO FISH.

Site Code **279**
 Tracking Code 2007-13
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Trail Creek
 Site Description 50 m reach below diversion
 UTM Zone 11
 UTM Easting 669169
 UTM Northing 4933864
 Date of Assessment 6/6/2007
 Time 13:00
 Observers M.Jeffress, T.Brewer, E.Tillotson, C.Farmer
 Length 50
 Width 1 9.4
 Width 2 5.8
 Width 3 7.4
 Width 4 6.8
 Width 5 5.3
 Sampling Method E-Fish
 Number of Shockers 1
 Number of Netters 1
 Number of Passes 1
 Comments No fish present.

Site Code **280**
 Tracking Code 2007-14
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Trail Creek
 Site Description Diversion 1, 50 m reach above diversion.
 UTM Zone 11
 UTM Easting 669331
 UTM Northing 4933896
 Date of Assessment 6/6/2007
 Time 11:09
 Observers M.Jeffress, T.Brewer, C.Farmer, E.Tillotson
 Length 50
 Width 1 9.4
 Width 2 7.5
 Width 3 8.8
 Width 4 7.6
 Width 5 13.2
 Air Temperature 5.6
 Water Temperature 5.5
 Sampling Method E-Fish
 Number of Shockers 1
 Number of Netters 3
 Number of Passes 1
 Species 1 **Rainbow**
 Nongame Fish Present **Sculpin**
 Comments Tailed Frog tadpoles (1). Missed two fish, 8' log jam-newly burned trees-at the top of the 50 m reach.

Pass #1
 Rainbow Trout
 140

Site Code 281
Tracking Code 2007-15
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Trail Creek
Site Description 50 m reach below diversion #1 in Loon Creek drainage.
UTM Zone 11
UTM Easting 669331
UTM Northing 4933896
Date of Assessment 6/6/2007
Time 9:39
Observers M.Jeffress, T.Brewer, E.Tillotson, C.Farmer
Length 50
Width 1 3.5
Width 2 4.35
Width 3 5.5
Width 4 6.9
Width 5 6.5
Air Temperature 3.8
Water Temperature 5.5
Sampling Method E-Fish
Number of Shockers 1
Number of Netters 3
Number of Passes 1
Species 1 **Cutthroat**
Comments Tailed frog tadpoles (2), missed approx 2 fish. One ≈100 mm & 300 mm. Fast moving stream.

Pass #1
Cutthroat Trout
116

Site Code 282
Tracking Code 2008-31
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Unnamed Tributary to Banner Creek
Site Description Site bottom is where forest begins to open up to reveal meadow
UTM Zone 11
UTM Easting 640926
UTM Northing 4910324
Date of Assessment 7/15/2008
Time 16:21
Observers T. Brewer, E. Tillotson, J. Way, E. Kern
Length 80
Width 1 4
Width 2 3.2
Width 3 3.3
Width 4 2.9
Width 5 2.9
Width 6 3.3
Width 7 2.5
Width 8 3.1
Air Temperature 27.2
Water Temperature 11.5
Sampling Method E-fish
Number of Shockers 1
Number of Netters 2
Number of Passes 1
Species 1 **Brook**
Species 2 **Bull**

Pass #1

Brook Trout	Bull Trout
129	155
121	145
118	129
118	102
112	
86	

Site Code	283
Tracking Code	2007-40
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Unnamed Tributary to Bear Creek
Site Description	Reach begins at large pool in burned area
UTM Zone	11
UTM Easting	650754
UTM Northing	4925060
Date of Assessment	6/27/2007
Time	12:01
Observers	M. Jeffress, T. Brewer, C. Farmer
Length	50
Width 1	4.8
Width 2	5.3
Width 3	4.25
Width 4	6.65
Width 5	6.4
Air Temperature	30.4
Water Temperature	10.2
Sampling Method	E-Fish
Number of shockers	1
Number of Netters	2
Number of Passes	1
Species 1	Rainbow
Species 1	Bull
Nongame fish present	Sculpin
Comments	Tailed frog tadpoles

Pass #1

Rainbow Trout	Bull Trout
162	151
	149
	147
	144
	104

Site Code	284
Tracking Code	2008-32
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Unnamed Tributary to Bear Creek
Site Description	MIS site. Adjacent to Langer Monument
UTM Zone	11
UTM Easting	650838
UTM Northing	4925012
Date of Assessment	8/20/2008
Time	9:33
Observers	B.Gamett, T.Brewer, E.Tillotson, C.Farmer
Length	107
Width 1	4.7
Width 2	5.3
Width 3	4.4
Width 4	4.7
Width 5	3.2
Width 6	3.7
Width 7	2.7
Width 8	3.4
Width 9	2.7
Width 10	3.3
Air Temperature	12.8
Water Temperature	7.1
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	3
Number of Passes	2
Species 1	Rainbow
Species 2	Brook
Species 3	Bull

Species 4
 Nongame Fish Present
 Comments

**BrookxBull
 Sculpin**
 Fin clip on 198 mm hybrid is in vial D6 of Box Z. 550 mm hybrid fin clip is in vial D5 Box Z.

Pass #1

Rainbow Trout	Brook Trout	Bull Trout	BkxBI Hybrid
154	163	175	550
142		169	198
		153	
		149	
		131	
		113	
		103	
		96	
		91	
		85	

Pass #2

Rainbow Trout	Brook Trout	Bull Trout	BkxBI Hybrid
		151	
		138	
		93	
		84	
		44	

Site Code 285
 Tracking Code 2008-33
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Unnamed Tributary to Cape Horn Creek (Lower Trib)
 Site Description ≈200 m from road, reach begins
 UTM Zone 11
 UTM Easting 642784
 UTM Northing 4913429
 Date of Assessment 6/11/2008
 Time 11:00
 Observers T. Brewer, E. Tillotson
 Length 100
 Width 1 3.5
 Width 2 1.9
 Width 3 3.5
 Width 4 2.5
 Width 5 2.3
 Width 6 2.5
 Width 7 2.4
 Width 8 3.5
 Width 9 3
 Width 10 3.6
 Air Temperature 2.1
 Water Temperature 2.8
 Sampling Method E-fish
 Number of Shockers 1
 Number of Netters 1
 Number of Passes 1
 Species 1 **Bull**
 Comments High water, fast flow.

Pass #1

Bull Trout
122
91

Site Code 286
 Tracking Code 2008-18
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Unnamed Tributary to Float Creek (Harlan Creek)
 Site Description 0.8 miles up road #009 from road #008
 UTM Zone 11
 UTM Easting 649394
 UTM Northing 4934852
 Date of Assessment 7/16/2008
 Time 11:45
 Observers B. Gamett, T. Mangan, M. McKelvey
 Length 73
 Width 1 2.7
 Width 2 3.1
 Width 3 2.2
 Width 4 2.4
 Width 5 2.2
 Width 6 2
 Width 7 2.1
 Air Temperature 21.2
 Water Temperature 8.7
 Sampling Method E-fish
 Number of Shockers 1
 Number of Netters 3 (2 regular netters plus shocker operator)
 Number of Passes 1
 Species 1 **Bull**
 Species 2 **Cutthroat**

Pass #1

Bull Trout	Cutthroat Trout
151	167
118	141
109	137
103	129
76	106
75	106
67	103
	78
	52

Site Code 287
 Tracking Code 2008-19
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Unnamed Tributary to Kelly Creek
 Site Description Where stream crosses Road 203
 UTM Zone 11
 UTM Easting 650290
 UTM Northing 4913741
 Date of Assessment 7/16/2008
 Time 20:40
 Observers B. Gamett, T. Brewer
 Species 2 Creek is dry.

Site Code 288
 Tracking Code 2008-20
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Unnamed Tributary to Kelly Creek
 Site Description Off switchback on road.
 UTM Zone 11
 UTM Easting 653258
 UTM Northing 4915971
 Date of Assessment 7/17/2008
 Time 8:11
 Observers B. Gamett, E. Kern, J. Way, T. Mangan
 Comments Stream is dry with no defined channel.

Site Code	289
Tracking Code	2008-21
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Unnamed Tributary to Kelly Creek
Site Description	Adjacent to road.
UTM Zone	11
UTM Easting	653261
UTM Northing	4915482
Date of Assessment	7/17/2008
Time	8:39
Observers	B. Gamett, E. Kern, T. Mangan, J. Way
Length	50
Width 1	0.5
Width 2	1
Width 3	0.9
Width 4	1
Width 5	0.4
Air Temperature	13.5
Water Temperature	8.1
Sampling Method	E-fish
Number of Shockers	1
Number of Netters	2
Number of Passes	1
Species 1	Brook

Pass #1

Brook Trout
126

Site Code	290
Tracking Code	2008-35
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Unnamed Tributary to Kelly Creek
Site Description	Adjacent to road and next to previous site
UTM Zone	11
UTM Easting	653329
UTM Northing	4915497
Date of Assessment	7/17/2008
Time	9:00
Observers	B. Gamett, T. Mangan, J. Way, E. Kern
Length	54
Width 1	0.9
Width 2	0.6
Width 3	0.5
Width 4	0.8
Width 5	0.6
Air Temperature	10.2
Water Temperature	7.9
Sampling Method	E-fish
Number of Shockers	1
Number of Netters	2
Number of Passes	1
Species 1	Brook

Pass #1

Brook Trout
140
122
84
73

Site Code	291
Tracking Code	2008-25
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Unnamed Tributary to Rapid River
Site Description	Bottom of reach is 200 m above road crossing
UTM Zone	11
UTM Easting	655681
UTM Northing	4933629
Date of Assessment	7/16/2008
Time	15:08
Observers	T. Brewer, E. Tillotson, E. Kern, J. Way
Length	50
Width 1	1
Width 2	1.3
Width 3	1
Width 4	1.7
Width 5	0.7
Air Temperature	23.7
Water Temperature	8.7
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	1
Number of Passes	1
Species 1	Cutthroat

Pass #1

Cutthroat Trout	
126	
86	

Site Code	292
Tracking Code	2008-36
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Vader Creek
Site Description	Where creek runs under highway
UTM Zone	11
UTM Easting	649630
UTM Northing	4912011
Date of Assessment	7/16/2008
Time	21:00
Observers	B. Gamett, T. Brewer
Comments	Creek is dry.

Site Code	293
Tracking Code	2007-77
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Vanity Creek
UTM Zone	11
UTM Easting	653588
UTM Northing	4932425
Date of Assessment	7/30/2007
Time	12:00
Observers	M.Jeffress, T.Brewer, C.Farmer, E.Tillotson
Length	60
Width 1	4
Width 2	4.8
Width 3	4.45
Width 4	3.9
Width 5	5.8
Width 6	5.8
Air Temperature	25
Water Temperature	12
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	2
Number of Passes	1
Species 1	Bull

Nongame Fish Present

Sculpin

Pass #1

- Bull Trout
- 149
- 142
- 141
- 140
- 134
- 130
- 102
- 94
- 93
- 88
- 83
- 75
- 47

Site Code

294

Tracking Code	2008-37
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	Vanity Creek
Site Description	Site is adjacent to road #088 approximately 2.3 miles down from Vanity Summit
UTM Zone	11
UTM Easting	653531
UTM Northing	4930227
Date of Assessment	7/15/2008
Time	14:00
Observers	B. Gamett, M. McKelvey, T. Mangan
Length	50
Width 1	2.7
Width 2	3.3
Width 3	3.1
Width 4	2.1
Width 5	3.6
Air Temperature	31.4
Water Temperature	11.4
Sampling Method	E-fish
Number of Shockers	1
Number of Netters	3 (2 netters plus shocker operator was netting)
Number of Passes	1
Species 1	Bull
Species 2	Cutthroat

Pass #1

Bull Trout	Cutthroat Trout
141	170
117	100
109	
97	
85	
80	
77	

Site Code

295

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, 2008 Rapid River snorkel survey, unpublished data

Site Code

296

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, 2008 Rapid River snorkel survey, unpublished data

Site Code

297

This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.

Data source: Idaho Department of Fish and Game, 2008 Rapid River snorkel survey, unpublished data

Site Code 298
Tracking Code 2007-51
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Walker Creek
Site Description Reach begins 300 m above confluence.
UTM Zone 11
UTM Easting 643805
UTM Northing 4921407
Date of Assessment 6/13/2007
Time 8:34
Observers M.Jeffress, T.Brewer, E.Tillotson, C.Farmer
Length 50
Width 1 2.3
Width 2 2.4
Width 3 1.8
Width 4 1.4
Width 5 4.3
Air Temperature 11.8
Water Temperature 6.4
Sampling Method E-Fish
Number of Shockers 1
Number of Netters 2
Number of Passes 1
Comments No Fish. Tailed frogs. Very high gradient > 20% between Marsh Creek, and reach too steep for fish.

Site Code 299
Tracking Code 2006-18
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Warm spring
Site Description below diversion ≈200 m below structure
UTM Zone 11
UTM Easting 679280
UTM Northing 4979729
Date of Assessment 7/25/2006
Time 11:00
Observers M.Haroldsen, M.Tillotson
Length 50
Width 1 2.3
Width 2 1.4
Width 3 2.4
Width 4 3.2
Width 5 2.4
Width 6 2.6
Air Temperature 38.9
Water Temperature 18.1
Sampling Method E-fish
Number of Shockers 1
Number of Netters 1
Number of Passes 1
Species 1 **Rainbow**
Species 2 **Bull**
Comments Air and water temp taken @ 18:45 on 7/27/2006. Tailed frogs present (tadpole captured). YOY captured measured and "unidentified" (34, 34)

Pass #1
Rainbow Trout 136
130
105
58
55
55
50
49
Bull Trout 150

Site Code 300
Tracking Code 2006-19
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream Warm Spring
Site Description above diversion ≈1/2 mile above confluence with M.F. Salmon
UTM Zone 11
UTM Easting 679567
UTM Northing 4979897
Date of Assessment 7/25/2006
Time 9:24
Observers M.Haroldsen, M.Tillotson
Length 20
Width 1 2.1
Width 2 2.4
Width 3 1.7
Width 4 2.4
Width 5 1.6
Width 6 2.9
Air Temperature 38.9
Water Temperature 18.5
Sampling Method E-fish
Number of Shockers 1
Number of Netters 1
Number of Passes 1
Species 1 **Rainbow**
Species 2 **Cutthroat**
Comments Two unidentified YOY 34 and 33. Spot shocked 50 m. Snake infested rockslides and brush near creek. Not effective shocking stream, conductivity low. Unable to effectively shock fish in large pools.

Pass #1

Rainbow Trout	Cutthroat Trout
176	156
153	
150	
142	
114	
109	
90	

Site Code 301
This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
Data source: Idaho Department of Fish and Game, Esselman et al. (2008)

Site Code 302
Tracking Code 2002-SNK035
Ranger District Middle Fork
Watershed Middle Fork Salmon
Stream West Fork Camas Creek
UTM Zone 11
UTM Easting 689147
UTM Northing 4963551
Date of Assessment 8/22/2002
Time 10:30
Observers T.Adams, M.Stephens
Length 81.5
Width 1 2.7
Width 2 1.7
Width 3 1.6
Width 4 0.6
Width 5 2.6
Width 6 2
Width 7 3.3
Width 8 1.3
Width 9 3.3
Width 10 3.2
Air Temperature 16.6
Water Temperature 7.2
Sampling Method Snorkel

Number of Snorkelers	2 Snorkelers
Species 1	Cutthroat
Comments	A channel- borderline B (in places) w/boulder plunge pools. Lots of boulders, LWD and thick riparian shrubs w/spruce fir overstory. Gradient levels off same ≈40m into unit.

Length (mm)	Cutthroat
0-50	1
50-100	8
100-150	7
150-200	4
200-250	
>250	

Site Code	303
Tracking Code	2007-01
Ranger District	Middle Fork
Watershed	Middle Fork Salmon
Stream	West Mayfield Creek
Site Description	at campsite
UTM Zone	11
UTM Easting	680181
UTM Northing	4929267
Date of Assessment	6/7/2007
Time	14:59
Observers	M.Jeffress, T.Brewer, E.Tillotson, C.Farmer
Length	100
Width 1	3.3
Width 2	7.2
Width 3	3
Width 4	3.25
Width 5	2.2
Width 6	3.5
Width 7	4.9
Width 8	3.7
Width 9	3.1
Width 10	2.6
Air Temperature	11.1
Water Temperature	6.4
Sampling Method	E-fish
Number of Shockers	1
Number of Netters	3
Number of Passes	1
Species 1	Bull
Comments	No space on memory card for photos.

Pass #1

Bull Trout

214

187

162

157

151

129

123

121

116

111

101

57

57

Site Code 304
 Tracking Code 2002-SNK022
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream White Goat Creek
 UTM Zone 11
 UTM Easting 699113
 UTM Northing 4956824
 Date of Assessment 8/6/2002
 Time 14:00
 Observers T.Adams, J.Markham
 Length 58.5
 Width 1 2.4
 Width 2 1.5
 Width 3 1.7
 Width 4 1.1
 Width 5 3.1
 Width 6 3
 Width 7 4.1
 Width 8 2
 Width 9 2.4
 Width 10 2.8
 Air Temperature 27.7
 Water Temperature 11.7
 Sampling Method Snorkeler
 Number of Snorkelers 1 Snorkeler
 Species 1 **Rainbow/steelhead**
 Species 2 **Cutthroat**
 Comments Signs of cattle-same trampling, cowpies (this grazing season) some cattle xing@BOU has torn banks down. Willows however remain v. thick and armor stream and provide shade along most of all of channel. One fish measuring 0-50 mm observed, unable to identify to species (Oncorhynchus sp.).

Length (mm)	Rainbow/Steelhead	Cutthroat	Oncorhynchus sp.
0-50			1
50-100	3		
100-150	5	6	
150-200	1	1	
200-250			
>250			

Site Code 305
 This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
 Data source: Idaho Department of Fish and Game, Esselman et al. (2008)

Site Code 306
 This site was not sampled by the Salmon-Challis National Forest. The data collected from this site have been summarized in this report while the actual data are available from the data source specified below.
 Data source: Idaho Department of Fish and Game, Curet et al. (in progress)

Site Code 307
 Tracking Code 2007-32
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Winnemucca Creek
 Site Description Reach begins at tributary and ends at fork in the creek
 UTM Zone 11
 UTM Easting 660533
 UTM Northing 4925945
 Date of Assessment 6/26/2007
 Time 12:00
 Observers M. Jeffress, C. Farmer, T. Brewer
 Length 50
 Width 1 2.05
 Width 2 2.65
 Width 3 3.65
 Width 4 1.1
 Width 5 2.1
 Width 6 2.4
 Air Temperature 18.6

Water Temperature	7
Sampling Method	E-Fish
Number of Shockers	1
Number of Netters	1
Number of Passes	1
Species 1	Bull
Comments	1 unidentified frog and several small tadpoles were observed. Missed one bull trout that was approximately 200 mm.

Pass #1

Bull Trout
154
143
72
65
65
60

Site Code

Tracking Code	308
Ranger District	2007-33
Watershed	Middle Fork
Stream	Middle Fork Salmon
Site Description	Winnemucca Creek (Right Fork)
UTM Zone	Spring flows into reach from right bank 21 m from start of reach
UTM Easting	11
UTM Northing	660238
Date of Assessment	4923242
Time	6/26/2007
Observers	9:50
Length	M. Jeffress, C. Farmer, T. Brewer
Width 1	50
Width 2	2.6
Width 3	3.7
Width 4	3.8
Width 5	2.8
Air Temperature	3
Water Temperature	9.9
Sampling Method	5
Number of Shockers	E-Fish
Number of Netters	1
Number of Passes	2
Species 1	1
Species 2	Bull
Comments	BrookxBull Good pool to riffle ratio.

Pass #1

Bull Trout	BkxB1 Hybrid
163	204
145	
122	
120	
110	
110	
89	
87	
81	
79	
73	
72	
72	
70	

Site Code 309
 Tracking Code 2007-79
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Winnemucca Creek
 Site Description where trail crosses stream
 UTM Zone 11
 UTM Easting 656192
 UTM Northing 4922312
 Date of Assessment 7/30/2007
 Time 13:28
 Observers M.Jeffress, E.Tillotson, C.Farmer, T.Brewer
 Length 50
 Width 1 7.3
 Width 2 5.9
 Width 3 13.5
 Width 4 10.9
 Width 5 8.1
 Width 6 3.8
 Width 7 4.6
 Width 8 5.3
 Width 9 6
 Width 10 7.6
 Air Temperature 30
 Water Temperature 16
 Sampling Method E-Fish
 Number of Shockers 2
 Number of Netters 2
 Number of Passes 1
 Species 1 **Rainbow**
 Species 2 **Brook**
 Species 3 **Chinook**
 Nongame Fish Present **Sculpin**
 Comments Unidentified Frog

Pass #1	Rainbow Trout	Brook Trout	Chinook Salmon
	201	151	86
	100	149	
	97	121	
	91	118	
		112	
		108	

Site Code 310
 Tracking Code 2002-SNK016
 Ranger District Middle Fork
 Watershed Middle Fork Salmon
 Stream Woodtick Creek
 Site Description This site is located just upstream of cabin where trail crosses Woodtick Creek
 UTM Zone 11
 UTM Easting 686930
 UTM Northing 4971490
 Date of Assessment 7/30/2002
 Time 17:20
 Observers T. Adams, J. Markham
 Length 53.3
 Width 1 4.8
 Width 2 6.4
 Width 3 4
 Width 4 5
 Width 5 3.4
 Width 6 2.2
 Air Temperature 26
 Water Temperature 10.6
 Sampling Method Snorkel
 Number of Snorkels 2
 Species 1 **Bull**

Length (mm)	Bull
0-50	
50-100	1
100-150	3
150-200	1
200-250	
>250	