

Bull Trout Final Critical Habitat Justification: Rationale for Why Habitat is Essential, and Documentation of Occupancy

Chapter 21. Mid-Columbia Recovery Unit—Clearwater River Critical Habitat Unit

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Chapter 21. Clearwater River Critical Habitat Unit

The Clearwater River CHU is essential for maintaining bull trout distribution within this unique geographic region of the Mid-Columbia RU. This CHU extends from the Snake River confluence at Lewiston, Idaho, on the west to headwaters in the Bitterroot Mountains along the Idaho and Montana border. The Clearwater River CHU represents the easternmost extent of the Mid Columbia RU. This CHU is among the largest CHU in the Mid Columbia RU and contains several large and stable core area populations of bull trout. Fluvial and resident bull trout are the predominant life history forms known to occur within this CHU with several adfluvial populations occurring in headwater lakes. This CHU includes five critical habitat subunits: Middle–Lower Fork Clearwater River; South Fork Clearwater River; Selway River; Lochsa River (and Fish Lake); and the North Fork Clearwater River (and Fish Lake). See Appendix 1 for more detailed information.

The Clearwater River CHU is located east of Lewiston, Idaho, and extends from the Snake River confluence at Lewiston on the west to headwaters in the Bitterroot Mountains along the Idaho–Montana border on the east in Nez Perce, Latah, Lewis, Clearwater, Idaho, and Shoshone Counties. This unit includes five CHSUs: Lower/Middle Fork Clearwater River; North Fork Clearwater River (and Fish Lake); South Fork Clearwater River; Lochsa River (and Fish Lake); and the Selway River. In the Clearwater River CHU, 2,702.1 km (1,679.0 mi) of streams and 6,721.9 ha (16,610.2 ac) of lake and reservoir surface area are designated as critical habitat.

21.1. Middle–Lower Fork Clearwater River Critical Habitat Subunit

The Middle–Lower Fork Clearwater River CHSU is essential to bull trout conservation because the Clearwater River and Middle Fork Clearwater River primarily serve as migratory corridors, connecting bull trout local populations within the Clearwater River CHU as well as maintaining connectivity to other Mid-Columbia River bull trout populations. These mainstem river reaches also provide important foraging and overwintering areas for subadult and adult bull trout that originate in upstream CHSUs (see Appendix 1 for more detailed information).

Located within Idaho’s Nez Perce, Latah, Lewis, Clearwater, and Idaho Counties, the Lower/Middle Fork Clearwater River CHSU includes the mainstem Clearwater River and Middle Fork Clearwater River and all tributary watersheds. The North Fork Clearwater River above Dworshak Dam, South Fork Clearwater River, Lochsa River, and Selway River drainages are separate CHSUs. A total of 159.5 km (99.1 mi) of rivers are designated for designation as critical habitat. The following water bodies are included in this CHSU (see Table 54):

(A) The Clearwater River from its confluence with the Snake River upstream 119.6 km (74.3 mi) to its confluence with the South Fork Clearwater River and the Middle Fork Clearwater River from its confluence with the South Fork upstream 36.8 km (22.9 mi) to the confluence of the Lochsa and Selway Rivers provide FMO habitat. The North Fork Clearwater River from its confluence with the Clearwater River upstream 3.1 km (2.0 mi) to the base of Dworshak Dam provides FMO habitat.

Table 54. Water body segments designated as critical habitat for bull trout, including documentation of occupancy and site-specific rationale in the Clearwater River–Middle-Lower Clearwater River CHU/CHSU

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River–Middle-Lower Clearwater River	Clearwater River	ID	Documented use by subadults and adults (CBBTTAT 1998a). A few subadult fish have been captured in the mainstem Clearwater River near the mouth (Basham 2000; E. Schriever, pers. comm. 2002).	Rationale provided in Middle-Lower Clearwater River CHSU justification text	1170397 464258
Clearwater River–Middle-Lower Clearwater River	Middle Fork Clearwater River	ID	Documented use by subadults and adults (CBBTTAT 1998a).	Rationale provided in Middle-Lower Clearwater River CHSU justification text	1159798 461459

21.2. South Fork Clearwater River Critical Habitat Subunit

The South Fork Clearwater River CHSU is essential to bull trout conservation because both migratory and resident life histories are known to occur within the CHSU. Although the overall core area population level is considered to be moderate, bull trout are distributed among most of the major watersheds within the CHSU. Located downstream of the Lochsa River CHSU and Selway River CHSU and upstream of the North Fork Clearwater CHSU, the South Fork Clearwater River CHSU provides additional habitat for foraging and thermal refuge for bull trout that disperse from these other CHSUs. Furthermore, for bull trout originating in the North Fork Clearwater CHSU that are entrained past Dworshak Dam, the South Fork Clearwater River CHSU is the first major drainage below the dam supporting known local populations and suitable habitat that the entrained fish can utilize to fulfill their life cycle as they are unable to return to their natal streams (see Appendix 1 for more detailed information).

Located within Idaho and Nez Perce Counties, the South Fork Clearwater River CHSU includes the entire stream network of the South Fork Clearwater River. A total of 508.0 km (315.6 mi) of streams and rivers are designated for designation as critical habitat. The following water bodies are included in this CHSU (see Table 55):

- (A) The South Fork Clearwater River from its confluence with the Clearwater River upstream 100.3 km (62.3 mi) to the confluence of the Red River and the American River provides FMO habitat.
- (B) Mill Creek from its confluence with the South Fork Clearwater River upstream 13.6 km (8.4 mi) to Merton Creek provides FMO habitat. Merton Creek from its confluence upstream 1.6 km (1.0 mi) provides spawning and rearing habitat.
- (C) Johns Creek from its confluence with the South Fork Clearwater River upstream approximately 4.9 km (3.0 mi) provides FMO habitat; spawning and rearing habitat occurs upstream an additional 26.2 km (16.3 mi). Gospel Creek from its confluence with Johns Creek upstream 3.1 km (2.0 mi); Moores Lake Creek from its confluence with Gospel Creek upstream 3.4 km (2.1 mi); Open Creek from its confluence with Johns Creek upstream 1.5 km (0.9 mi); Moores Creek from its confluence with Johns Creek upstream 8.2 km (5.1 mi) to a barrier; Twin Lakes Creek from its confluence with Johns Creek upstream 2.0 km (1.2 mi) to Hagen Creek; Hagen Creek from its confluence with Twin Lakes Creek upstream 2.3 km (1.5 mi); and Taylor Creek from its confluence with Johns Creek upstream 2.7 km (1.7 mi) provide spawning and rearing habitat.
- (D) Tenmile Creek from its confluence with the South Fork Clearwater River upstream 7.2 km (4.5 mi) provides FMO habitat; spawning and rearing habitat occurs upstream an additional 15.4 km (9.6 mi). Sixmile Creek from its confluence with Tenmile Creek upstream 1.4 km (0.9 mi) to a barrier falls provides spawning and rearing habitat. Williams Creek from its confluence with Tenmile Creek upstream 8.4 km (5.2 mi) to its headwaters provides presumed spawning and rearing habitat. Wiseboy Creek from its confluence with Tenmile Creek upstream 0.9 km (0.6 mi) provides spawning and rearing habitat.
- (E) Newsome Creek from its confluence with the South Fork Clearwater River upstream 12.5 km (7.7 mi) provides FMO habitat; spawning and rearing habitat occurs upstream an additional 7.1 km (4.4 mi) with presumed spawning and rearing habitat occurring upstream an additional 5.6 km (3.5 mi) to its headwaters. West Fork Newsome Creek from its confluence with

Newsome Creek upstream 7.9 km (4.9 mi) to a migration barrier and Bear Creek from its confluence with Newsome Creek upstream 2.7 km (1.6 mi) may provide spawning and rearing habitat but at a minimum provide FMO habitat. Beaver Creek from its confluence with Newsome Creek upstream 8.0 km (5.0 mi) to its headwaters provides presumed spawning and rearing habitat. Pilot Creek from its confluence with Newsome Creek upstream 9.6 km (5.9 mi) to its headwaters; Sawmill Creek from its confluence with Pilot Creek upstream 1.1 km (0.7 mi); an unnamed Pilot Creek tributary from its confluence upstream 1.3 km (0.8 mi); a second unnamed Pilot Creek tributary from its confluence upstream 1.4 km (0.9 mi); and Baldy Creek from its confluence with Newsome Creek upstream 9.9 km (6.1 mi) provide spawning and rearing habitat. Mule Creek from its confluence with Newsome Creek upstream 0.9 km (0.6 mi) provides FMO habitat.

(F) Crooked River from its confluence with the South Fork Clearwater River upstream 3.5 km (2.2 mi) provides FMO habitat; spawning and rearing habitat occurs upstream an additional 15.3 km (9.6 mi). Relief Creek from its confluence with the Crooked River upstream 2.2 km (1.3 mi); Silver Creek from its confluence with the Crooked River upstream 3.6 km (2.2 mi); West Fork Crooked River from its confluence with the East Fork Crooked River upstream 5.4 km (3.4 mi) to a barrier falls; an unnamed tributary to the West Fork Crooked River from its confluence upstream approximately 1.0 km (0.6 mi); and East Fork Crooked River from its confluence with the West Fork upstream 5.7 km (3.5 mi) provide spawning and rearing habitat.

(G) Red River from its confluence with the Crooked River and American River upstream 18.7 km (11.6 mi) provides FMO habitat; spawning and rearing habitat occurs upstream an additional 27.2 km (16.9 mi). Spawning and rearing habitat also occurs in the following tributaries: Red Horse Creek from its confluence with the Red River upstream 9.1 km (5.6 mi); Siegel Creek from its confluence with the Red River upstream 2.7 km (1.7 mi); Dawson Creek from its confluence with the Red River upstream 3.7 km (2.3 mi); Little Moose Creek from its confluence with the Red River upstream 3.0 km (1.8 mi); Moose Butte Creek from its confluence with the Red River upstream 7.4 km (4.6 mi); South Fork Red River from its confluence with the Red River upstream 18.8 km (11.7 mi); Trapper Creek from its confluence with the South Fork Red River upstream 10.5 km (6.6 mi); West Fork Red River from its confluence with the South Fork Red River upstream 4.9 km (3.0 mi); and Middle Fork Red River from its confluence with the West Fork Red River upstream 6.1 km (3.8 mi). Ditch Creek from its confluence with the Red River upstream 6.3 km (3.9 mi) and Soda Creek from its confluence with the Red River upstream 1.8 km (1.1 mi) may provide spawning and rearing habitat but at a minimum provide FMO habitat. Baston Creek from its confluence with the Red River upstream 3.6 km (2.2 mi) provides spawning and rearing habitat. Otterson Creek from its confluence with the Red River upstream 5.6 km (3.5 mi) provides presumed spawning and rearing habitat. Bridge Creek from its confluence with the Red River upstream 6.4 km (4.0 mi) provides spawning and rearing habitat.

(H) American River from its confluence with the Red River and the South Fork Clearwater River upstream 27.4 km (17.0 mi) provides FMO habitat. Elk Creek from its confluence with the American River upstream 3.8 km (2.3 mi) to Big Elk Creek provides FMO habitat. Little Elk Creek from its confluence with Elk Creek upstream 4.0 km (2.5 mi) provides spawning and rearing habitat. Kirks Fork of the American River from its confluence upstream 2.1 km (1.3 mi); East Fork American River from its confluence upstream 10.4 km (6.5 mi); and Flint Creek from its confluence with the East Fork American River upstream 3.0 km (1.9 mi) provide spawning

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and rearing habitat. West Fork American River from its confluence upstream 8.0 km (5.0 mi) to its headwaters and Lick Creek from its confluence with the American River upstream 6.0 km (3.7 mi) provide presumed spawning and rearing habitat.

Table 55. Water body segments designated as critical habitat for bull trout, including documentation of occupancy and site-specific rationale in the Clearwater River–South Fork Clearwater River CHU/CHSU

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River–South Fork Clearwater River	American River	ID	CBBTTAT (1998d) documented recent bull trout use of this stream for subadult/adult rearing.	Rationale provided in South Fork Clearwater River CHSU justification text	1154741 458082
Clearwater River–South Fork Clearwater River	Baldy Creek	ID	The presence of small juvenile bull trout (IDFG 2001) reflects that this stream continues to be used by bull trout as spawning/early habitat (CBBTTAT 1998d).	Rationale provided in South Fork Clearwater River CHSU justification text	1156294 459080.1
Clearwater River–South Fork Clearwater River	Baldy Creek	ID	The presence of small juvenile bull trout (IDFG 2001) reflects that this stream continues to be used by bull trout as spawning/early habitat (CBBTTAT 1998d).	Rationale provided in South Fork Clearwater River CHSU justification text	1156294 459080.2
Clearwater River–South Fork Clearwater River	Baston Creek	ID	A 100 mm bull trout was seen in the second kilometer of this stream in 1997 (IDFG 2001).	Rationale provided in South Fork Clearwater River CHSU justification text	1152346 457600
Clearwater River–South Fork Clearwater River	Bear Creek	ID	Results of USFS surveys indicate that this section of stream continues to be used by bull trout as subadult/adult rearing habitat (D. Mays, pers comm. 2002a,b).	Rationale provided in South Fork Clearwater River CHSU justification text	1156167 458631
Clearwater River–South Fork Clearwater River	Beaver Creek	ID	CBBTTAT (1998d) suspected current (post-1985) use of this stream as a bull trout spawning/early rearing area.	Rationale provided in South Fork Clearwater River CHSU justification text	1156302 458958
Clearwater River–South Fork Clearwater River	Bridge Creek	ID	Forest Service observations of small juvenile (<150 mm) fish in the lower end of the stream (D. Mays, pers comm. 2002a,b).	Rationale provided in South Fork Clearwater River CHSU justification text	1152096 457793
Clearwater River–South Fork Clearwater River	Crooked River	ID	The lower portion of Crooked River was identified by CBBTTAT (1998d) as having current (post-1985) bull trout use as subadult/adult rearing habitat.	Rationale provided in South Fork Clearwater River CHSU justification text	1155291 458241.1
Clearwater River–South Fork Clearwater River	Crooked River	ID	The lower portion of Crooked River was identified by CBBTTAT (1998d) as having current (post-1985) bull trout use as subadult/adult rearing habitat.	Rationale provided in South Fork Clearwater River CHSU justification text	1155291 458241.2
Clearwater River–South Fork Clearwater River	Crooked River	ID	This middle segment of Crooked River appears to have mixed use. Small juvenile bull trout (<6 in.) have been sampled here (IDFG 2001) and CBBTTAT (1998d) classified the stream as currently used by bull trout as spawning/early rearing habitat.	Rationale provided in South Fork Clearwater River CHSU justification text	1155291 458241.3

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River– South Fork Clearwater River	Crooked River	ID	Small (<6 in.) bull trout have been sampled here (IDFG 2001) and CBBTTAT (1998d) classified the stream as currently used by bull trout as spawning/early rearing habitat.	Rationale provided in South Fork Clearwater River CHSU justification text	1155291 458241.4
Clearwater River– South Fork Clearwater River	Dawson Creek	ID	Low abundance of small (<150 mm) bull trout was seen in the lower end of this stream in 1997 (IDFG 2001).	Rationale provided in South Fork Clearwater River CHSU justification text	1153905 457301
Clearwater River– South Fork Clearwater River	Ditch Creek	ID	USFS (1999e) identified this stream segment as having known bull trout presence.	Rationale provided in South Fork Clearwater River CHSU justification text	1152969 457466
Clearwater River– South Fork Clearwater River	East Fork American River	ID	Identified as weak SR by the Forest Service (USFS 2009b).	Rationale provided in South Fork Clearwater River CHSU justification text	1154237 458641.1
Clearwater River– South Fork Clearwater River	East Fork American River	ID	Identified as weak SR by the Forest Service (USFS 2009b).	Rationale provided in South Fork Clearwater River CHSU justification text	1154237 458641.2
Clearwater River– South Fork Clearwater River	East Fork American River	ID	Identified as weak SR by the Forest Service (USFS 2009b).	Rationale provided in South Fork Clearwater River CHSU justification text	1154237 458641.3
Clearwater River– South Fork Clearwater River	East Fork Crooked River	ID	Fluvial adult bull trout have been radio-tracked into this spawning area (J. Brostrom, IDFG, pers comm.2007), and multiple age classes of fish, including 50-150 mm juveniles, have been observed here by snorkelers (IDFG/GPM, in litt. 2002).	Rationale provided in South Fork Clearwater River CHSU justification text	1155477 456953.1
Clearwater River– South Fork Clearwater River	East Fork Crooked River	ID	Fluvial adult bull trout have been radio-tracked into this spawning area (J. Brostrom, pers comm. 2002), and multiple age classes of fish, including 50-150 mm juveniles, have been observed here by snorkelers (IDFG/GPM, in litt. 2002).	Rationale provided in South Fork Clearwater River CHSU justification text	1155477 456953.2
Clearwater River– South Fork Clearwater River	Elk Creek	ID	Bull trout presence in lower Little Elk Cr. (upstream) suggests that subadult/adult fish use this segment as a migratory corridor to access Little Elk Cr. (USFS 2009b).	Rationale provided in South Fork Clearwater River CHSU justification text	1154584 458181
Clearwater River– South Fork Clearwater River	Flint Creek	ID	USFS (1999e) identified this stream segment as having known bull trout presence.	Rationale provided in South Fork Clearwater River CHSU justification text	1154266 458914

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CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River– South Fork Clearwater River	Gospel Creek	ID	Current (post-1985) use of this stream by bull trout for spawning/early rearing was documented by Spangler (1997).	Rationale provided in South Fork Clearwater River CHSU justification text	1158898 457033
Clearwater River– South Fork Clearwater River	Hagen Creek	ID	Current (post-1985) use of this stream by bull trout for spawning/early rearing was documented by Spangler (1997).	Rationale provided in South Fork Clearwater River CHSU justification text	1158170 456492
Clearwater River– South Fork Clearwater River	Johns Creek	ID	Current (post-1985) use of lower Johns Cr. by bull trout for subadult/adult rearing has been documented (CBBTTAT 1998d).	Rationale provided in South Fork Clearwater River CHSU justification text	1158892 458238.1
Clearwater River– South Fork Clearwater River	Johns Creek	ID	Current (post-1985) use of this stream by bull trout for spawning/early rearing was documented by Spangler (1997). Identified as weak SR by the Forest Service (USFS 2009b).	Rationale provided in South Fork Clearwater River CHSU justification text	1158892 458238.2
Clearwater River– South Fork Clearwater River	Johns Creek	ID	Current (post-1985) use of this stream by bull trout for spawning/early rearing was documented by Spangler (1997). Identified as weak SR by the Forest Service (USFS 2009b).	Rationale provided in South Fork Clearwater River CHSU justification text	1158892 458238.3
Clearwater River– South Fork Clearwater River	Kirks Fork American River	ID	Current (post-1985) use of this stream as a bull trout subadult/adult rearing area was documented by CBBTTAT (1998d). USFS (1999b) identified this stream segment as having known bull trout presence.	Rationale provided in South Fork Clearwater River CHSU justification text	1154102 458224
Clearwater River– South Fork Clearwater River	Lick Creek	ID	Current (post-1985) spawning/early rearing use of this stream is suspected as bull trout have been documented downstream in the American River (CBBTTAT 1998d).	Rationale provided in South Fork Clearwater River CHSU justification text	1154682 459226
Clearwater River– South Fork Clearwater River	Little Elk Creek	ID	USFS (1999e) identified this stream segment as having known bull trout presence, and as weak SR (USFS 2009b).	Rationale provided in South Fork Clearwater River CHSU justification text	1154339 458407
Clearwater River– South Fork Clearwater River	Little Moose Creek	ID	Identified as weak SR by the Forest Service (USFS 2009b).	Rationale provided in South Fork Clearwater River CHSU justification text	1153670 457159
Clearwater River– South Fork Clearwater River	Melton Creek	ID	Identified as weak SR by the Forest Service (USFS 2009b).	Rationale provided in South Fork Clearwater River CHSU justification text	1159950 457249
Clearwater River– South Fork Clearwater River	Middle Fork. Red River	ID	CBBTTAT (1998d) reported recent (post-1985) use of this stream as a bull trout spawning/early rearing area. IDFG (2001) found a small juvenile (<150 mm) bull trout here in 1995.	Rationale provided in South Fork Clearwater River CHSU justification text	1154123 456586

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River– South Fork Clearwater River	Mill Creek	ID	Bull trout presence in this stream is sporadic (CBBTTAT 1998d), and use is apparently confined to subadult/adult rearing (W. Paradis, pers comm. 2002).	Rationale provided in South Fork Clearwater River CHSU justification text	1159313 458298
Clearwater River– South Fork Clearwater River	Moore's Creek	ID	Current (post-1985) use of this stream by bull trout for spawning/early rearing was found by Spangler (1997) and documented by CBBTTAT (1998d).	Rationale provided in South Fork Clearwater River CHSU justification text	1158374 456764
Clearwater River– South Fork Clearwater River	Moore's Lake Creek	ID	Current (post-1985) use of this stream by bull trout for spawning/early rearing was documented by Spangler (1997).	Rationale provided in South Fork Clearwater River CHSU justification text	1158904 456771
Clearwater River– South Fork Clearwater River	Moose Butte Creek	ID	CBBTTAT (1998d) documented recent (post-1985) use of this stream as a bull trout spawning/early rearing area.	Rationale provided in South Fork Clearwater River CHSU justification text	1153524 457098
Clearwater River– South Fork Clearwater River	Mule Creek	ID	Recent surveys have shown that the lower end of Mule Cr. is used by bull trout as subadult/adult rearing habitat. IDFG sampled a 150-175 mm and a 200-225 mm bull trout here in 1995 (IDFG 2001).	Rationale provided in South Fork Clearwater River CHSU justification text	1156340 459252
Clearwater River– South Fork Clearwater River	Newsome Creek	ID	CBBTTAT (1998d) indicates that the lower portion of Newsome Cr. has current (post-1985) bull trout use as subadult/adult rearing habitat.	Rationale provided in South Fork Clearwater River CHSU justification text	1156148 458284.1
Clearwater River– South Fork Clearwater River	Newsome Creek	ID	The presence of small juvenile bull trout (IDFG 2001) reflects that this segment of Newsome Creek continues to be used by bull trout as spawning/early habitat (CBBTTAT 1998d).	Rationale provided in South Fork Clearwater River CHSU justification text	1156148 458284.2
Clearwater River– South Fork Clearwater River	Newsome Creek	ID	Presumed occupied as Newsome Creek downstream has known SR (CBBTTAT 1998d).	Rationale provided in South Fork Clearwater River CHSU justification text	1156148 458284.3
Clearwater River– South Fork Clearwater River	Open Creek	ID	Current (post-1985) use of this stream by bull trout for spawning/early rearing was documented by Spangler (1997).	Rationale provided in South Fork Clearwater River CHSU justification text	1158374 456765
Clearwater River– South Fork Clearwater River	Otterson Creek	ID	Otterson Creek was classified as a suspected used SR area by CBBTTAT (1998d).	Rationale provided in South Fork Clearwater River CHSU justification text	1152188 457761
Clearwater River– South Fork Clearwater River	Pilot Creek	ID	The presence of small juvenile bull trout (IDFG 2001) reflects that this stream continues to be used by bull trout as spawning/early habitat (CBBTTAT 1998d).	Rationale provided in South Fork Clearwater River CHSU justification text	1156294 459072
Clearwater River– South Fork Clearwater River	Red Horse Creek	ID	USFS (1999e) identified this stream segment as having known bull trout presence.	Rationale provided in South Fork Clearwater River CHSU justification text	1154005 457939

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River– South Fork Clearwater River	Red River	ID	CBBTTAT (1998d) documented recent (post-1985) use of the lower section of Red River as subadult/adult rearing habitat.	Rationale provided in South Fork Clearwater River CHSU justification text	1154741 458083.1
Clearwater River– South Fork Clearwater River	Red River	ID	Small bull trout have been found in mainstem Red River (IDFG 2001), and CBBTTAT (1998d) classified the stream's recent use by bull trout as spawning/early rearing.	Rationale provided in South Fork Clearwater River CHSU justification text	1154741 458083.2
Clearwater River– South Fork Clearwater River	Red River	ID	Above SF Red River, small bull trout have been found in mainstem Red River (IDFG 2001), and CBBTTAT (1998d) classified the stream's recent use by bull trout as spawning/early rearing.	Rationale provided in South Fork Clearwater River CHSU justification text	1154741 458083.3
Clearwater River– South Fork Clearwater River	Relief Creek	ID	Small (<6 in.) bull trout have been sampled from the lower end of Relief Creek (IDFG 2001), and CBBTTAT (1998d) classified the stream as currently (post-1985) used spawning/early rearing habitat.	Rationale provided in South Fork Clearwater River CHSU justification text	1155189 457483
Clearwater River– South Fork Clearwater River	Sawmill Creek	ID	Identified as strong SR by the Forest Service (USFS 2009e).	Rationale provided in South Fork Clearwater River CHSU justification text	1156344 459083
Clearwater River– South Fork Clearwater River	Siegel Creek	ID	A bull trout >150 mm long was found in this section of channel during surveys conducted in 1997 (IDFG 2001). Identified as weak SR by the Forest Service (USFS 2009b).	Rationale provided in South Fork Clearwater River CHSU justification text	1153870 457733
Clearwater River– South Fork Clearwater River	Silver Creek	ID	USFS (1999e) noted that a subadult bull trout was recently found using this stream as foraging/thermal refuge habitat, and Identified as weak SR (USFS 2009b).	Rationale provided in South Fork Clearwater River CHSU justification text	1155395 457156
Clearwater River– South Fork Clearwater River	Sixmile Creek	ID	Recent use of this stream section by bull trout as subadult/adult rearing habitat has been observed by the USFS (W. Paradis, pers. comm. 2002).	Rationale provided in South Fork Clearwater River CHSU justification text	1156592 457643
Clearwater River– South Fork Clearwater River	Soda Creek	ID	This segment of stream is known used subadult/adult rearing habitat for bull trout (D. Mays, pers comm. 2002 a,b).	Rationale provided in South Fork Clearwater River CHSU justification text	1152564 457563
Clearwater River– South Fork Clearwater River	South Fork Clearwater River	ID	Subadult/adult rearing and overwintering habitat in the mainstem South Fork has been documented as used by bull trout through radio-tracking studies and creel surveys (IDFG 2001).	Rationale provided in South Fork Clearwater River CHSU justification text	1159798 461458
Clearwater River– South Fork Clearwater River	South Fork Red River	ID	CBBTTAT (1998d) reported current (post-1985) use of this stream as a bull trout spawning/early rearing area. IDFG (2001) confirmed that small juvenile (<150 mm) bull trout were present in 1997.	Rationale provided in South Fork Clearwater River CHSU justification text	1153441 457108

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River– South Fork Clearwater River	Taylor Creek	ID	Current (post-1985) use of this stream by bull trout for spawning/early rearing was documented by Spangler (1997).	Rationale provided in South Fork Clearwater River CHSU justification text	1157817 456587
Clearwater River– South Fork Clearwater River	Tenmile Creek	ID	The lower portion of Tenmile Cr. was identified by CBBTTAT (1998d) as having current (post-1985) bull trout use as subadult/adult rearing habitat.	Rationale provided in South Fork Clearwater River CHSU justification text	1156833 458061.1
Clearwater River– South Fork Clearwater River	Tenmile Creek	ID	The upper portion of Tenmile Cr. was identified by CBBTTAT (1998d) as having current (post-1985) bull trout use as spawning/early rearing habitat. Field studies by Spangler (1997) documented this use.	Rationale provided in South Fork Clearwater River CHSU justification text	1156833 458061.2
Clearwater River– South Fork Clearwater River	Trapper Creek	ID	(1999e) identified bull trout presence in the upper reach of this stream.	Rationale provided in South Fork Clearwater River CHSU justification text	1153441 456738.1
Clearwater River– South Fork Clearwater River	Trapper Creek	ID	USFS (1999e) identified this stream segment as having known bull trout presence.	Rationale provided in South Fork Clearwater River CHSU justification text	1153441 456738.2
Clearwater River– South Fork Clearwater River	Twin Lakes Creek	ID	Current (post-1985) use of this stream by bull trout for spawning/early rearing documented by Spangler (1997).	Rationale provided in South Fork Clearwater River CHSU justification text	1158267 456644
Clearwater River– South Fork Clearwater River	UNNAMED - off West Fork Crooked River	ID	USFS surveys have found small (<6 in.) bull trout in this stream (D. Mays, pers comm. 2002a,b).	Rationale provided in South Fork Clearwater River CHSU justification text	1155625 456904
Clearwater River– South Fork Clearwater River	UNNAMED 1 - off Pilot Creek	ID	Mapping in USFS (1999e) identified this section of stream as recently known to be occupied by bull trout. D. Mays (pers. comm. 2002 a, b) confirmed that this occupancy reflected spawning/early rearing activity.	Rationale provided in South Fork Clearwater River CHSU justification text	1156758 459302
Clearwater River– South Fork Clearwater River	UNNAMED 2 - off Pilot Creek	ID	Mapping in USFS (1999e) identified this section of stream as recently known to be occupied by bull trout. D. Mays (pers. comm. 2002a,b) confirmed that this occupancy reflected spawning/early rearing activity.	Rationale provided in South Fork Clearwater River CHSU justification text	1157174 459384.1
Clearwater River– South Fork Clearwater River	UNNAMED 2 - off Pilot Creek	ID	Mapping in USFS (1999e) identified this section of stream as recently known to be occupied by bull trout. D. Mays (pers. comm. 2002a,b) confirmed that this occupancy reflected spawning/early rearing activity.	Rationale provided in South Fork Clearwater River CHSU justification text	1157174 459384.2
Clearwater River– South Fork Clearwater River	West Fork American River	ID	Current (post-1985) spawning/early rearing use of this stream is suspected as bull trout have been documented downstream in the American River (CBBTTAT 1998d).	Rationale provided in South Fork Clearwater River CHSU justification text	1154650 459131

Bull Trout Final Critical Habitat Justification

U.S. Fish and Wildlife Service

September 2010

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River– South Fork Clearwater River	West Fork Crooked River	ID	Current (post-1985) spawning/early rearing use of this stream is suspected as bull trout have been documented downstream in the American River (CBBTTAT 1998d).	Rationale provided in South Fork Clearwater River CHSU justification text	1155477 456955
Clearwater River– South Fork Clearwater River	West Fork Newsome Creek	ID	CBBTTAT (1998d) documented current (post-1985) use of this stream as a subadult/adult rearing area for bull trout.	Rationale provided in South Fork Clearwater River CHSU justification text	1156174 458648
Clearwater River– South Fork Clearwater River	West Fork Red River	ID	CBBTTAT (1998d) reported recent (post-1985) use of this stream as a bull trout spawning/early rearing area. IDFG (2001) found multiple small bull trout here in 1995, including age 1 and age 2 fish.	Rationale provided in South Fork Clearwater River CHSU justification text	1154014 456527
Clearwater River– South Fork Clearwater River	Williams Creek	ID	Bull trout SR use of this high-quality stream is strongly suspected (D. Mays, pers comm. 2002a,b). Bull trout have been documented downstream in Tenmile Creek (CBBTTAT 1998d; Spangler 1997).	Rationale provided in South Fork Clearwater River CHSU justification text	1156555 457314
Clearwater River– South Fork Clearwater River	Wiseboy Creek	ID	Recent bull trout use of the lower portion of Wiseboy Cr. as spawning/rearing habitat was documented by Spangler (1997).	Rationale provided in South Fork Clearwater River CHSU justification text	1157119 456415

21.3. Selway River Critical Habitat Subunit

The Selway River CHSU is essential to bull trout conservation because the Selway River core area has many individuals and local populations that are distributed throughout much of the CHSU. The Selway River CHSU is almost entirely within Wilderness areas and has much habitat with few threats. Bull trout within the Selway River CHSU are one of the more secure and stable bull trout core area populations within the Clearwater River CHU and provide a very important stronghold against potential extinction (see Appendix 1 for more detailed information).

Located within Idaho County, the Selway River CHSU includes the entire stream network of the Selway River. A total of 735.6 km (457.1 mi) of streams are designated for designation as critical habitat. The following water bodies are included in this CHSU (see Table 56):

(A) The Selway River from its confluence with the Lochsa River upstream 130.0 km (80.7 mi) to Deep Creek provides FMO habitat; spawning and rearing habitat occurs upstream an additional 29.0 km (18.0 mi).

(B) O'Hara Creek from its confluence with the Selway River upstream 12.4 km (7.7 mi) to the confluence of the East and West Forks of O'Hara Creek provides FMO habitat. East Fork O'Hara Creek from its confluence with O'Hara Creek upstream 8.1 km (5.0 mi) to its headwaters and West Fork O'Hara Creek from its confluence with O'Hara Creek upstream 9.3 km (5.8 mi) to its headwaters provide presumed spawning and rearing habitat.

(C) Gedney Creek from its confluence with the Selway River upstream 5.4 km (3.4 mi) to West Fork Gedney Creek provides FMO habitat; spawning and rearing habitat occurs upstream an additional 7.1 km (4.4 mi). The West Fork Gedney Creek from its confluence with Gedney Creek upstream 2.0 km (1.2 mi) to a barrier falls provides spawning and rearing habitat.

(D) Meadow Creek from its confluence with the Selway River upstream 44.1 km (27.4 mi) provides FMO habitat; spawning and rearing habitat occurs upstream an additional 23.7 km (14.8 mi). Schwar Creek from its confluence with Meadow Creek upstream 3.5 km (2.2 mi) to a barrier falls and East Fork Meadow Creek from its confluence with Meadow Creek upstream 11.1 km (6.9 mi) provide spawning and rearing habitat.

(E) Marten Creek from its confluence with the Selway River upstream 3.4 km (2.1 mi) provides FMO habitat; spawning and rearing habitat occurs upstream an additional 14.9 km (9.3 mi).

(F) Moose Creek from its confluence with the Selway River upstream 6.0 km (3.7 mi) to the confluence of North Fork Moose Creek and East Fork Moose Creek provides FMO habitat. The following tributaries provide spawning and rearing habitat: North Fork Moose Creek from its confluence with Moose Creek upstream 19.4 km (12.1 mi); Rhoda Creek from its confluence with North Fork Moose Creek upstream 5.1 km (3.2 mi) to Wounded Doe Creek; Wounded Doe Creek from its confluence with Rhoda Creek upstream 11.4 km (7.1 mi); East Fork Moose Creek from its confluence with Moose Creek upstream 26.7 km (16.6 mi) to a potential barrier falls; and Cedar Creek from its confluence at East Fork Moose Creek upstream 10.1 km (6.3 mi).

(G) Bear Creek from its confluence with the Selway River upstream 16.8 km (10.4 mi) provides FMO habitat; spawning and rearing habitat occurs upstream an additional 16.5 km (10.2 mi). Cub Creek from its confluence with Bear Creek upstream 9.0 km (5.6 mi) provides FMO habitat; spawning and rearing habitat occurs upstream an additional 6.0 km (3.7 mi) to a barrier falls.

Paradise Creek from its confluence with Cub Creek upstream 6.8 km (4.2 mi) provides FMO habitat; spawning and rearing habitat occurs upstream an additional 13.3 km (8.3 mi). Brushy Fork Creek from its confluence with Cub Creek upstream 3.2 km (2.0 mi) provides FMO habitat; spawning and rearing habitat occurs upstream an additional 8.0 km (5.0 mi) upstream.

(H) Running Creek from its confluence with the Selway River upstream 2.4 km (1.5 mi) provides FMO habitat; spawning and rearing habitat occurs upstream an additional 13.0 km (8.0 mi) with an additional 16.0 km (10.0 mi) upstream of presumed spawning and rearing habitat. Eagle Creek from its confluence with Running Creek upstream 17.3 km (10.7 mi) provides spawning and rearing habitat. Lynx Creek from its confluence with Running Creek upstream 4.1 km (2.6 mi); South Fork Running Creek from its confluence with Running Creek upstream 3.3 km (2.0 mi); and Tom Creek from its confluence with Running Creek upstream 6.1 km (3.8 mi) provide presumed spawning and rearing habitat.

(I) White Cap Creek from its confluence with the Selway River upstream 12.4 km (7.7 mi) provides FMO habitat; spawning and rearing habitat occurs upstream an additional 25.5 km (15.9 mi). Canyon Creek from its confluence with White Cap Creek upstream 17.8 km (11.1 mi) provides spawning and rearing habitat.

(J) Indian Creek from its confluence with the Selway River upstream 18.2 km (11.4 mi) provides spawning and rearing habitat. Jack Creek from its confluence with Indian Creek upstream 1.4 km (0.9 mi); Saddle Gulch Creek from its confluence with Indian Creek upstream 1.1 km (0.7 mi); Schofield Creek from its confluence with Indian Creek upstream 8.4 km (5.2 mi); and Burnt Strip Creek from its confluence with Schofield Creek upstream 1.3 km (0.8 mi) also provide spawning and rearing habitat.

(K) Little Clearwater River from its confluence with the Selway River upstream 19.9 km (12.3 mi) provides spawning and rearing habitat. Flat Creek from its confluence with the Little Clearwater River upstream 8.7 km (5.4 mi); Salamander Creek from its confluence with the Little Clearwater River upstream 7.7 km (4.8 mi); and Burnt Knob Creek from its confluence with the Little Clearwater River upstream 4.7 km (2.9 mi) also provide spawning and rearing habitat.

(L) Magruder Creek from its confluence with the Selway River upstream 3.8 km (2.4 mi) provides spawning and rearing habitat.

(M) Deep Creek from its confluence with the Selway River upstream 20.0 km (12.4 mi) provides spawning and rearing habitat. The following tributaries to Deep Creek also provide spawning and rearing habitat: Gabe Creek from its confluence with Deep Creek upstream 1.6 km (1.0 mi); Cayuse Creek from its confluence with Deep Creek upstream 4.6 km (2.8 mi); Vance Creek from its confluence with Deep Creek upstream 2.6 km (1.6 mi); Pete Creek from its confluence with Deep Creek upstream 2.0 km (1.2 mi); Slow Gulch Creek from its confluence with Deep Creek upstream 2.2 km (1.3 mi); and Lazy Creek from its confluence with Slow Gulch Creek upstream 1.5 km (0.9 mi).

(N) Hells Half Acre Creek from its confluence with the Selway River upstream 1.2 km (0.7 mi) provides spawning and rearing habitat.

(O) Kim Creek from its confluence with the Selway River upstream 1.3 km (0.8 mi) provides spawning and rearing habitat.

(P) Gold Pan Creek from its confluence with the Selway River upstream 1.4 km (0.8 mi) provides spawning and rearing habitat.

(Q) Three Lakes Creek from its confluence with the Selway River upstream 1.5 km (0.9 mi) provides spawning and rearing habitat.

(R) Wilkerson Creek from its confluence with the Selway River upstream 10.3 km (6.4 mi) provides spawning and rearing habitat. Storm Creek from its confluence with Wilkerson Creek upstream 6.9 km (4.3 mi); French Creek from its confluence with Wilkerson Creek upstream 1.8 km (1.1 mi); and Mist Creek from its confluence with Wilkerson Creek upstream 1.5 km (0.9 mi) also provide spawning and rearing habitat.

(S) Sweet Creek from its confluence with the Selway River upstream 9.1 km (5.7 mi) provides spawning and rearing habitat.

(T) Stripe Creek from its confluence with the Selway River upstream 2.9 km (1.8 mi) provides spawning and rearing habitat.

(U) Surprise Creek from its confluence with the Selway River upstream 3.9 km (2.4 mi) and South Fork Surprise Creek from its confluence with Surprise Creek upstream 3.8 km (2.3 mi) provide spawning and rearing habitat. Table 56. Water body segments designated as critical habitat for bull trout, including documentation of occupancy and site-specific rationale in the Clearwater River–Selway River CHU/CHSU

Table 56. Water body segments designated as critical habitat for bull trout, including documentation of occupancy and site-specific rationale in the Clearwater River–Selway River CHU/CHSU

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River–Selway River	Bear Creek	ID	This section of stream is identified as having known bull trout presence by USFS (2001b). IDFG snorkel surveys have documented small (<150 mm) juvenile bull trout (IDFG/GPM in litt. 2002).	Rationale provided in Selway River CHSU justification text	1148442 460188.1
Clearwater River–Selway River	Bear Creek	ID	Bull trout spawning/early rearing is occurring in the Bear Cr. watershed (CBBTTAT 1998a).	Rationale provided in Selway River CHSU justification text	1148442 460188.2
Clearwater River–Selway River	Brushy Fork Creek	ID	USFS (2001b) identified this segment of stream as known occupied FMO habitat for bull trout.	Rationale provided in Selway River CHSU justification text	1146985 460025.1
Clearwater River–Selway River	Brushy Fork Creek	ID	Bull trout spawning/early rearing is occurring in the Bear Cr. watershed (CBBTTAT 1998a).	Rationale provided in Selway River CHSU justification text	1146985 460025.2
Clearwater River–Selway River	Burnt Knob Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1148977 457153
Clearwater River–Selway River	Burnt Strip Creek	ID	Subadult and adult bull trout are known to be present in the mainstem Selway River (CBBTTAT 1998a), and use it for FMO (Service 2002a).	Rationale provided in Selway River CHSU justification text	1146256 458172
Clearwater River–Selway River	Canyon Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1146132 458878
Clearwater River–Selway River	Cayuse Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1146139 457055
Clearwater River–Selway River	Cedar Creek	ID	USFS (2001) identified this segment of stream within the East Fork Moose Creek system as known to be occupied by bull trout.	Rationale provided in Selway River CHSU justification text	1147081 462492
Clearwater River–Selway River	Cub Creek	ID	USFS (2001) identified this segment of stream as known occupied FMO habitat for bull trout.	Rationale provided in Selway River CHSU justification text	1147562 460344.1
Clearwater River–Selway River	Cub Creek	ID	Bull trout spawning/early rearing is occurring in the Bear Cr. watershed (CBBTTAT 1998a), and bull trout are known to occur in the lower reaches of Cub Creek (USFS 2001b).	Rationale provided in Selway River CHSU justification text	1147562 460344.2
Clearwater River–Selway River	Deep Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1147185 457073
Clearwater River–Selway River	East Fork Meadow Creek	ID	Bull trout spawning is known to occur here (USFS 1999d; CBBTTAT 1998a).	Rationale provided in Selway River CHSU justification text	1151035 458804.1
Clearwater River–Selway River	East Fork Meadow Creek	ID	Bull trout spawning is known to occur here (USFS 1999d; CBBTTAT 1998a).	Rationale provided in Selway River CHSU justification text	1151035 458804.2

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River–Selway River	E.Fk. O'Hara Creek	ID	Presumed occupied based on bull trout observation downstream in O'Hara Creek in 2000. (IDFG/GPM in litt. 2002).	Rationale provided in Selway River CHSU justification text	1155232 459986
Clearwater River–Selway River	Eagle Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1148532 459084.1
Clearwater River–Selway River	Eagle Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1148532 459084.2
Clearwater River–Selway River	East Fork Moose Creek	ID	Bull trout spawning/early rearing occurs in the East Fork Moose Creek system (CBBTTAT 1998a), but exact locations are unclear. USFS (2001) identified this segment of stream within the East Fork Moose Creek system as known to be occupied by bull trout.	Rationale provided in Selway River CHSU justification text	1148970 461647.1
Clearwater River–Selway River	East Fork Moose Creek	ID	Bull trout spawning/early rearing occurs in the East Fork Moose Creek system (CBBTTAT 1998a), but exact locations are unclear. USFS (2001) identified this segment of stream within the East Fork Moose Creek system as known to be occupied by bull trout.	Rationale provided in Selway River CHSU justification text	1148970 461647.2
Clearwater River–Selway River	East Fork Moose Creek	ID	Bull trout spawning/early rearing occurs in the East Fork Moose Creek system (CBBTTAT 1998a), but exact locations are unclear. USFS (2001) identified this segment of stream within the East Fork Moose Creek system as known to be occupied by bull trout.	Rationale provided in Selway River CHSU justification text	1148970 461647.3
Clearwater River–Selway River	Flat Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1148570 457218
Clearwater River–Selway River	French Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1145911 455973
Clearwater River–Selway River	Gabe Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1146699 456968
Clearwater River–Selway River	Gedney Creek	ID	CBBTTAT (1998b) documented current (post-1985) occupancy of Gedney Cr., a habitat stronghold (USFS 2001b), as bull trout FMO habitat. IDFG has found strong use of this segment by fluvial bull trout (A. Byrne, pers. comm. 2002).	Rationale provided in Selway River CHSU justification text	1153132 460564

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River–Selway River	Gedney Creek	ID	IDFG has observed large bull trout moving up Gedney Creek above the West Fork and beyond Canteen Creek. It is suspected from the level of use that these fish are spawning somewhere upstream (A. Byrne, pers comm. 2002).	Rationale provided in Selway River CHSU justification text	1153132 460564
Clearwater River–Selway River	Gold Pan Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1147214 456666
Clearwater River–Selway River	Hells Half Acre Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1147174 456921
Clearwater River–Selway River	Indian Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1147639 457916.1
Clearwater River–Selway River	Indian Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1147639 457916.2
Clearwater River–Selway River	Jack Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1146924 457779
Clearwater River–Selway River	Kim Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1147188 456788
Clearwater River–Selway River	Lazy Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1145444 456786
Clearwater River–Selway River	Little Clearwater River	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1147746 457536
Clearwater River–Selway River	Lynx Creek	ID	Presumed to be occupied by bull trout based on current use directly downstream in Running Creek (USFS 2009a; M. Jakober, pers. comm. 2009).	Rationale provided in Selway River CHSU justification text	1149367 458488
Clearwater River–Selway River	Magruder Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1147600 457446.1
Clearwater River–Selway River	Magruder Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1147600 457446.2
Clearwater River–Selway River	Marten Creek	ID	Incidental sightings of adult fluvial bull trout have been documented in Marten Cr. (Service 2002a).	Rationale provided in Selway River CHSU justification text	1150522 460987.1
Clearwater River–Selway River	Marten Creek	ID	CBBTTAT (1998b) identified Marten Cr. as being suspected of current (post-1985) use by bull trout as a SR area.	Rationale provided in Selway River CHSU justification text	1150522 460987.2
Clearwater River–Selway River	Meadow Creek	ID	Bull trout have been documented throughout the mainstem of Meadow Cr. (Service 2002a).	Rationale provided in Selway River CHSU justification text	1152954 460456.1

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River–Selway River	Meadow Creek	ID	Bull trout have been documented throughout the mainstem of Meadow Cr. (Service 2002a).	Rationale provided in Selway River CHSU justification text	1152954 460456.2
Clearwater River–Selway River	Meadow Creek	ID	Meadow Cr. supports a significant and strong population of bull trout in its upper reaches (Service 2002a).	Rationale provided in Selway River CHSU justification text	1152954 460456.3
Clearwater River–Selway River	Mist Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1146280 455670
Clearwater River–Selway River	Moose Creek	ID	USFS (2001b) identified this segment of stream as known used bull trout habitat. IDFG has found small (<150 mm) juvenile bull trout in this channel segment (IDFG/GPM in litt. 2002).	Rationale provided in Selway River CHSU justification text	1149345 461224
Clearwater River–Selway River	North Fork Moose Creek	ID	North Fork Moose Creek is a known recently used bull trout spawning/early rearing stream (CBBTTAT 1998a). This segment of the stream was identified by (2001b) as known to be occupied by bull trout.	Rationale provided in Selway River CHSU justification text	1148970 461648.1
Clearwater River–Selway River	North Fork Moose Creek	ID	North Fork Moose Creek is a known recently used bull trout spawning/early rearing stream (CBBTTAT 1998a). This segment of the stream was identified by (2001b) as known to be occupied by bull trout.	Rationale provided in Selway River CHSU justification text	1148970 461648.2
Clearwater River–Selway River	O'Hara Creek	ID	Snorkelers found a 255-280 mm bull trout in this segment of O'Hara Cr in 2000. (IDFG/GPM in litt 2002).	Rationale provided in Selway River CHSU justification text	1155171 460860
Clearwater River–Selway River	Paradise Creek	ID	USFS (2001b) identified this segment of stream as known occupied FMO habitat for bull trout.	Rationale provided in Selway River CHSU justification text	1147283 460220.1
Clearwater River–Selway River	Paradise Creek	ID	Bull trout spawning/early rearing is occurring in the Bear Cr. watershed (CBBTTAT 1998a), and bull trout are known to occur in the lower reaches of Paradise Creek (USFS 2001b).	Rationale provided in Selway River CHSU justification text	1147283 460220.2
Clearwater River–Selway River	Pete Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1145788 457028
Clearwater River–Selway River	Rhoda Creek	ID	Used by bull trout for spawning/early rearing (CBBTTAT 1998a). This segment of the stream was identified by USFS (2001b) as known to be occupied by bull trout.	Rationale provided in Selway River CHSU justification text	1149597 462339
Clearwater River–Selway River	Running Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1148316 459188.1
Clearwater River–Selway River	Running Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1148316 459188.2

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River–Selway River	Running Creek	ID	Presumed to be occupied based on current use directly downstream in lower Running Creek by bull trout (USFS 2009a; M Jakober, pers. comm. 2009).	Rationale provided in Selway River CHSU justification text	1148316 459188.3
Clearwater River–Selway River	South Fork Running Creek	ID	Presumed to be occupied based on current use directly downstream in Running Creek by bull trout (USFS 2009a; M Jakober, pers. comm. 2009).	Rationale provided in Selway River CHSU justification text	1149439 458449
Clearwater River–Selway River	South Fork Surprise Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1146793 455268
Clearwater River–Selway River	Saddle Gulch	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1146526 457700
Clearwater River–Selway River	Salamander Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1148646 457108
Clearwater River–Selway River	Schofield Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1146452 457774
Clearwater River–Selway River	Schwar Creek	ID	Bull trout have been reported in this stream (IDFG in litt. 2002), and current (post-1985) use of this stream by bull trout was mapped by CBBTTAT (1998b).	Rationale provided in Selway River CHSU justification text	1151160 458817
Clearwater River–Selway River	Selway River	ID	Subadult and adult bull trout are known present in the mainstem Selway River (CBBTTAT 1998a) and use it for FMO (Service 2002a).	Rationale provided in Selway River CHSU justification text	1155987 461401.1
Clearwater River–Selway River	Selway River	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1155987 461401.2
Clearwater River–Selway River	Selway River	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1155987 461401.3
Clearwater River–Selway River	Selway River	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1155987 461401.4
Clearwater River–Selway River	Selway River	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1155987 461401.5
Clearwater River–Selway River	Slow Gulch Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1145600 456938
Clearwater River–Selway River	Storm Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1146399 455778
Clearwater River–Selway River	Stripe Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1147026 455226
Clearwater River–Selway River	Surprise Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1147012 455206

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River–Selway River	Swet Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1147193 455805
Clearwater River–Selway River	Three Lakes Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1147077 456228
Clearwater River–Selway River	Tom Creek	ID	Presumed to be occupied by bull trout based on current use directly downstream in Running Creek (USFS 2009a; M. Jakober, pers. comm. 2009).	Rationale provided in Selway River CHSU justification text	1149865 458620
Clearwater River–Selway River	Vance Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1145788 457029.1
Clearwater River–Selway River	Vance Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1145788 457029.2
Clearwater River–Selway River	West Fork Gedney Creek	ID	Bull trout are relatively abundant in mainstem Gedney Cr. and have access to the lower 2 km of the West Fork (A. Byrne, pers comm. 2002).	Rationale provided in Selway River CHSU justification text	1152928 460939
Clearwater River–Selway River	West Fork O'Hara Creek	ID	Presumed occupied based on bull trout observation downstream in O'Hare Creek in 2000. (IDFG/GPM in litt. 2002).	Rationale provided in Selway River CHSU justification text	1155232 459985
Clearwater River–Selway River	White Cap Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1147438 458602.1
Clearwater River–Selway River	White Cap Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1147438 458602.2
Clearwater River–Selway River	Wilkerson Creek	ID	Occupied based on USFS stream surveys (USFS 2009a).	Rationale provided in Selway River CHSU justification text	1147057 456120
Clearwater River–Selway River	Wounded Doe Creek	ID	Use by bull trout for spawning/early rearing (CBBTTAT 1998a). Identified by USFS (2001) as having the largest known concentration of spawning and early rearing of fluvial bull trout in the entire Selway.	Rationale provided in Selway River CHSU justification text	1150082 462386

21.4. Lochsa River Critical Habitat Subunit (and Fish Lake)

The Lochsa River CHSU is essential to bull trout conservation because it has moderately few individuals and relatively many local populations or population complexes distributed throughout much of the upper portion of the CHSU. In addition to fluvial life history forms, which are important in the long-term recovery of the species, the Lochsa River CHSU also contains one of only two headwater lake adfluvial bull trout populations (Fish Lake) in the entire Clearwater River CHU. The relatively large amount of occupied habitat and few threats are considered important factors in preventing potential extinction (see Appendix 1 for more detailed information).

Located within Idaho and Clearwater Counties, the Lochsa River CHSU includes the entire stream network of the Lochsa River system. A total of 487.9 km (303.1 mi) of streams and a 21.8 ha (54.0 ac) of lake surface area are designated for designation as bull trout critical habitat. The following water bodies are included in this CHSU (see Table 57):

(A) The Lochsa River from its confluence with the Selway River upstream 110.6 km (68.7 mi) to its origin at the confluence of Crooked Fork and Colt Killed Creek provides FMO habitat.

(B) Fish Creek from its confluence with the Lochsa River upstream 7.5 km (4.6 mi) to its confluence with Hungry Creek provides FMO habitat; spawning and rearing habitat occurs for an additional 25.1 km (15.6 mi) upstream. Hungry Creek from its confluence with Fish Creek upstream 21.8 km (13.6 mi) provides spawning and rearing habitat.

(C) Indian Grave Creek from its confluence with the Lochsa River upstream 7.6 km (4.8 mi) to its headwaters provides FMO habitat, and may provide spawning and rearing habitat in the upper reaches.

(D) Weir Creek from its confluence with the Lochsa River upstream 9.5 km (5.9 mi) to its headwaters provides FMO habitat, and may provide spawning and rearing habitat in the upper reaches.

(E) Fish Lake Creek from its confluence with the Lochsa River upstream 16.2 km (10.0 mi) to California Creek provides FMO habitat. Lake Creek from California Creek upstream 5.8 km (3.6 mi) to Fish Lake provides spawning and rearing habitat. Fish Lake (22.3 ha (55.0 ac)) provides FMO habitat. Fish Lake Creek from Fish Lake upstream 2.3 km (1.5 mi) provides spawning and rearing habitat.

(F) Post Office Creek from its confluence with the Lochsa River upstream 8.9 km (5.5 mi) provides FMO habitat, and may provide spawning and rearing habitat in the upper reaches.

(G) Warm Springs Creek from its confluence with the Lochsa River upstream 5.9 km (3.7 mi) to a barrier falls and Cooperation Creek from its confluence with Warm Springs Creek upstream 5.5 km (3.4 mi) provide spawning and rearing habitat.

(H) Fishing (Squaw) Creek from its confluence with the Lochsa River upstream 10.1 km (6.3 mi) provides spawning and rearing habitat. Doe Creek from its confluence with Fishing Creek upstream 8.9 km (5.5 mi); West Fork Fishing Creek from its confluence with Fishing Creek upstream 4.2 km (2.6 mi); Spring Creek from its confluence with West Fork Fishing Creek upstream 1.6 km (1.0 mi); and East Fork Fishing Creek from its confluence with Fishing Creek upstream 1.5 km (0.9 mi) also provide spawning and rearing habitat.

(I) Legendary Bear (Papoose) Creek from its confluence with the Lochsa River upstream 3.0 km (1.9 mi) to West Fork Legendary Bear Creek provides spawning and rearing habitat. Parachute Creek from its confluence with Legendary Bear Creek upstream 0.4 km (0.3 mi) to a potential barrier; West Fork Legendary Bear Creek from its confluence upstream 7.3 km (4.5 mi); and East Fork Legendary Bear Creek from its confluence upstream 4.2 km (2.6 mi) also provide spawning and rearing habitat.

(J) Walton Creek from its confluence with the Lochsa River upstream 4.4 km (2.7 mi) provides spawning and rearing habitat.

(K) Colt Killed Creek from its confluence with the Lochsa River upstream 5.3 km (3.3 mi) provides FMO habitat; spawning and rearing habitat occurs upstream an additional 28.5 km (17.8 mi). The following tributaries to Colt Killed Creek also provide spawning and rearing habitat: Beaver Creek from its confluence at Colt Killed Creek upstream 12.2 km (7.6 mi); Storm Creek from its confluence with Colt Killed Creek upstream 17.0 km (10.6 mi); Maud Creek from its confluence with Storm Creek upstream 10.1 km (6.3 mi); Colt Creek from its confluence with Colt Killed Creek upstream 8.4 km (5.2 mi); and Big Flat Creek from its confluence with Colt Killed Creek upstream 13.5 km (8.4 mi).

(L) Crooked Fork from its confluence with the Lochsa River upstream 21.7 km (13.5 mi) to Boulder Creek provides FMO habitat; spawning and rearing habitat occurs upstream an additional 12.4 km (7.7 mi). The following tributaries to Crooked Creek also provide spawning and rearing habitat: Haskell Creek from its confluence with Crooked Fork upstream 4.5 km (2.8 mi); Rock Creek from its confluence with Crooked Fork upstream 1.8 km (1.1 mi); Shotgun Creek from its confluence with Crooked Fork upstream 7.6 km (4.7 mi); Boulder Creek from its confluence with Crooked Fork upstream 10.5 km (6.5 mi); Fox Creek from its confluence with Boulder Creek upstream 5.6 km (3.5 mi); Williams Lake Creek from its confluence with Boulder Creek upstream 4.2 km (2.6 mi); Hopeful Creek from its confluence with Crooked Fork Creek upstream 7.4 km (4.6 mi); and an unnamed Hopeful Creek tributary from its confluence upstream 4.7 km (2.9 mi).

(M) Brushy Fork Creek from its confluence with the Crooked Fork upstream 7.6 km (4.7 mi) provides FMO habitat; spawning and rearing habitat occurs upstream an additional 8.5 km (5.3 mi). Twin Creek from its confluence with Brushy Fork Creek upstream 4.7 km (3.0 mi) to a barrier falls and Spruce Creek from its confluence with Brushy Fork Creek upstream 5.6 km (3.5 mi) to South Fork Spruce Creek provide spawning and rearing habitat. Shoot Creek from its confluence with Spruce Creek upstream 3.4 km (2.1 mi) and North Fork Spruce Creek from its confluence with Spruce Creek upstream 4.0 km (2.5 mi) provide presumed spawning and rearing habitat. South Fork Spruce Creek from its confluence with Spruce Creek upstream 6.4 km (4.0 mi) provides spawning and rearing habitat. Table 57. Water body segments designated as critical habitat for bull trout, including documentation of occupancy and site-specific rationale in the Clearwater River–Lochsa River CHU/CHSU

Table 57. Water body segments designated as critical habitat for bull trout, including documentation of occupancy and site-specific rationale in the Clearwater River–Lochsa River CHU/CHSU

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River–Lochsa River	Beaver Creek	ID	Occupied based on telemetry data (Hanson and Schriever 2006).	Rationale provided in Lochsa River CHSU justification text	1146260 465061
Clearwater River–Lochsa River	Big Flat Creek	ID	IDFG snorkelers found a small juvenile (<102-127 mm) bull trout in this stream (IDFG/GPM in litt. 2002), indicating use as a spawning/rearing area.	Rationale provided in Lochsa River CHSU justification text	1144934 464024
Clearwater River–Lochsa River	Boulder Creek	ID	CBBTTAT (1998b) classified Boulder Creek as a currently used bull trout spawning/rearing stream. CBI (1997) found small (age 2 or less) bull trout in the stream.	Rationale provided in Lochsa River CHSU justification text	1146703 466152
Clearwater River–Lochsa River	Brushy Fork	ID	CBBTTAT (1998b) classified Brushy Fork as a recently used bull trout spawning/rearing stream. Surveys by CBI (1996b, 1997) suggest habitat below Twin Creek is better suited to subadult/adult rearing.	Rationale provided in Lochsa River CHSU justification text	1146115 465783.1
Clearwater River–Lochsa River	Brushy Fork	ID	Occupied based on telemetry data (Hanson and Schriever 2006).	Rationale provided in Lochsa River CHSU justification text	1146115 465783.2
Clearwater River–Lochsa River	Brushy Fork	ID	Occupied based on telemetry data (Hanson and Schriever 2006).	Rationale provided in Lochsa River CHSU justification text	1146115 465783.3
Clearwater River–Lochsa River	Colt Creek	ID	Occupied based on telemetry data (Schiff et al. 2005).	Rationale provided in Lochsa River CHSU justification text	1145395 464331
Clearwater River–Lochsa River	Colt Killed Creek	ID	CBBTTAT (1998b) classified Colt Killed Creek as currently (post-1985) used for subadult/adult rearing by bull trout.	Rationale provided in Lochsa River CHSU justification text	1146808 465084.1
Clearwater River–Lochsa River	Colt Killed Creek	ID	Occupied by adults during spawning season based on telemetry data (Schiff et al. 2005; Hanson and Schriever 2006).	Rationale provided in Lochsa River CHSU justification text	1146808 465084.2
Clearwater River–Lochsa River	Colt Killed Creek	ID	Occupied by adults during spawning season based on telemetry data (Schiff et al. 2005; Hanson and Schriever 2006).	Rationale provided in Lochsa River CHSU justification text	1146808 465084.3
Clearwater River–Lochsa River	Colt Killed Creek	ID	Occupied by adults during spawning season based on telemetry data (Schiff et al. 2005; Hanson and Schriever 2006).	Rationale provided in Lochsa River CHSU justification text	1146808 465084.4
Clearwater River–Lochsa River	Cooperation Creek	ID	Spot-sampling by the Nez Perce Tribe during 1999 found 111-232 mm bull trout in the lower portion of Cooperation Creek (Weigel, in litt. 2002).	Rationale provided in Lochsa River CHSU justification text	1148693 464521

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River–Lochsa River	Crooked Fork	ID	Currently used as a migratory corridor for bull trout using upstream areas (Schiff et al. 2005; Hanson and Schriever 2006).	Rationale provided in Lochsa River CHSU justification text	1146808 465082.1
Clearwater River–Lochsa River	Crooked Fork	ID	Currently used by bull trout for SR (CBBTTAT 1998a; Schiff et al. 2005; Hanson and Schriever 2006) . CBI (1996b, 1997) found small (age 2 or less) bull trout in the section of Crooked Fork above Boulder Creek.	Rationale provided in Lochsa River CHSU justification text	1146808 465082.2
Clearwater River–Lochsa River	Doe Creek	ID	Occupied by adults during spawning season based on telemetry data (Hanson and Schriever 2006).	Rationale provided in Lochsa River CHSU justification text	1148619 464987
Clearwater River–Lochsa River	East Fork Fishing Creek	ID	Surveys have documented bull trout redds over multiple years (USFS 1999e).	Rationale provided in Lochsa River CHSU justification text	1148541 465564
Clearwater River–Lochsa River	East Fork Legendary Bear Creek	ID	Surveys have documented bull trout redds over multiple years (USFS 1999e).	Rationale provided in Lochsa River CHSU justification text	1147651 465351
Clearwater River–Lochsa River	Fish Creek	ID	Current (post-1985) use of this stream as a bull trout subadult/adult rearing area was documented by CBBTTAT (1998b).	Rationale provided in Lochsa River CHSU justification text	1153450 463333.1
Clearwater River–Lochsa River	Fish Creek	ID	Adult and juvenile bull trout caught or observed annually (Partridge 2006, 2008; Grunder 2009).	Rationale provided in Lochsa River CHSU justification text	1153450 463333.2
Clearwater River–Lochsa River	Fish Lake Creek	ID	Bull trout have been documented in lower Lake Creek (Platts et al. 1993).	Rationale provided in Lochsa River CHSU justification text	1150057 464148.1
Clearwater River–Lochsa River	Fish Lake Creek	ID	Lake Creek between California Creek and Fish Lake, Fish Lake itself, and Lake Creek above Fish Lake, currently provide habitat sustaining all life stages of an adfluvial bull trout population (Murphy and Cochnauer 1998).	Rationale provided in Lochsa River CHSU justification text	1150057 464148.2
Clearwater River–Lochsa River	Fish Lake Creek	ID	Presumed to be present as bull trout have been documented both above and below this reach (Murphy and Cochnauer 1998; Platts et al. 1993).	Rationale provided in Lochsa River CHSU justification text	1150057 464148.3
Clearwater River–Lochsa River	Fishing Creek	ID	Surveys have documented bull trout redds over multiple years (USFS 1999e).	Rationale provided in Lochsa River CHSU justification text	1148567 464923
Clearwater River–Lochsa River	Fox Creek	ID	CBI (1997) found small (age 2 or less) bull trout in Fox Creek.	Rationale provided in Lochsa River CHSU justification text	1146949 466297
Clearwater River–Lochsa River	Haskell Creek	ID	Bull trout redds have been documented in this stream (P. Murphy, pers. comm. 2002a).	Rationale provided in Lochsa River CHSU justification text	1146033 465965
Clearwater River–Lochsa River	Hopeful Creek	ID	CBI (1997) found small (age 2 or less) bull trout in Hopeful Creek.	Rationale provided in Lochsa River CHSU justification text	1146805 466713

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River–Lochsa River	Hungry Creek	ID	Current (post-1985) use of this stream as a bull trout subadult/adult rearing area was documented by CBBTTAT (1998b). Platts et al. (1993) identified the segment below Obia Creek as known to be used by bull trout.	Rationale provided in Lochsa River CHSU justification text	1153975 463557.1
Clearwater River–Lochsa River	Hungry Creek	ID	Current (post-1985) use of this stream as a bull trout subadult/adult rearing area was documented by CBBTTAT (1998b). Platts et al. (1993) identified the segment below Obia Creek as known to be used by bull trout.	Rationale provided in Lochsa River CHSU justification text	1153975 463557.2
Clearwater River–Lochsa River	Indian Grave Creek	ID	Platts et al. (1993) identified Indian Grave Creek as a known bull trout stream.	Rationale provided in Lochsa River CHSU justification text	1150765 464524.1
Clearwater River–Lochsa River	Indian Grave Creek	ID	Platts et al. (1993) identified Indian Grave Creek as a known bull trout stream.	Rationale provided in Lochsa River CHSU justification text	1150765 464524.2
Clearwater River–Lochsa River	Legendary Bear Creek	ID	Surveys have documented bull trout redds over multiple years (USFS 1999e).	Rationale provided in Lochsa River CHSU justification text	1147606 465114
Clearwater River–Lochsa River	Lochsa River	ID	CBBTTAT (1998b) classified the mainstem Lochsa River as currently supporting subadult and adult bull trout rearing.	Rationale provided in Lochsa River CHSU justification text	1155987 461400
Clearwater River–Lochsa River	Maud Creek	ID	A survey of Maud Creek by CBI (1996a) found adult bull trout preparing to spawn in the stream. Also occupied by adults during spawning season based on telemetry data (Hanson and Schriever 2006).	Rationale provided in Lochsa River CHSU justification text	1145145 464967
Clearwater River–Lochsa River	North Fork Spruce Creek	ID	Presumed occupied based on bull trout presence in SF Spruce Creek (USFS 1999e).	Rationale provided in Lochsa River CHSU justification text	1143924 466060
Clearwater River–Lochsa River	Parachute Creek	ID	Used by bull trout for subadult/adult rearing (USFS 1999e; CBBTTAT 1998a).	Rationale provided in Lochsa River CHSU justification text	1147612 465285
Clearwater River–Lochsa River	Postoffice Creek	ID	CBBTTAT (1998b) documented current (post-1985) subadult/adult rearing by bull trout in lower Postoffice Creek.	Rationale provided in Lochsa River CHSU justification text	1149849 464656
Clearwater River–Lochsa River	Rock Creek	ID	Watson and Hillman (1997) found bull trout in Rock Creek.	Rationale provided in Lochsa River CHSU justification text	1146085 465975
Clearwater River–Lochsa River	South Fork Spruce Creek	ID	Bull trout have been documented during surveys (USFS 1999e).	Rationale provided in Lochsa River CHSU justification text	1143924 466061
Clearwater River–Lochsa River	Shoot Creek	ID	Presumed occupied based on bull trout presence in SF Spruce Creek (USFS 1999e).	Rationale provided in Lochsa River CHSU justification text	1144141 466061

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River–Lochsa River	Shotgun Creek	ID	Bull trout and redds have been documented (USFS 1999e).	Rationale provided in Lochsa River CHSU justification text	1146639 466008
Clearwater River–Lochsa River	Spring Creek	ID	CBI (1992) sampled a small juvenile bull trout in this segment of stream, and saw 3 other bull trout while walking the streambank.	Rationale provided in Lochsa River CHSU justification text	1148848 465457
Clearwater River–Lochsa River	Spruce Creek	ID	Bull trout have been documented during surveys (USFS 1999e).	Rationale provided in Lochsa River CHSU justification text	1144540 466164
Clearwater River–Lochsa River	Storm Creek	ID	Occupied by adults during spawning season based on telemetry data (Schiff et al. 2005; Hanson and Schriever 2006).	Rationale provided in Lochsa River CHSU justification text	1145483 464630.1
Clearwater River–Lochsa River	Storm Creek	ID	Occupied by adults during spawning season based on telemetry data (Schiff et al. 2005; Hanson and Schriever 2006).	Rationale provided in Lochsa River CHSU justification text	1145483 464630.2
Clearwater River–Lochsa River	Twin Creek	ID	Bull trout have been documented during surveys (USFS 1999e).	Rationale provided in Lochsa River CHSU justification text	1145269 465821.1
Clearwater River–Lochsa River	Twin Creek	ID	Bull trout have been documented during surveys (USFS 1999e).	Rationale provided in Lochsa River CHSU justification text	1145269 465821.2
Clearwater River–Lochsa River	UNNAMED - off Hopeful Creek	ID	CBI (1997) found small (age 2 or less) bull trout in this unnamed tributary to Hopeful Creek.	Rationale provided in Lochsa River CHSU justification text	1146692 466990
Clearwater River–Lochsa River	West Fork Fishing Creek	ID	Bull trout redds are documented annually (USFS 1999e; USFS 2007). Furthermore, occupied by adults during spawning season based on telemetry data (Schiff et al. 2005; Hanson and Schriever 2006).	Rationale provided in Lochsa River CHSU justification text	1148670 465372
Clearwater River–Lochsa River	Walton Creek	ID	A weir at the mouth of Walton Creek routinely captures bull trout (USFS 1999e).	Rationale provided in Lochsa River CHSU justification text	1146808 465083
Clearwater River–Lochsa River	Warm Springs Creek	ID	Bull trout have been documented in the creek below a barrier falls at RM 3.6 (USFS 1999e) and during telemetry studies (Schiff et al. 2005).	Rationale provided in Lochsa River CHSU justification text	1148873 464733.1
Clearwater River–Lochsa River	Warm Springs Creek	ID	Bull trout have been documented in the creek below a barrier falls at RM 3.6 (USFS 1999e), and during telemetry studies (Schiff et al. 2005).	Rationale provided in Lochsa River CHSU justification text	1148873 464733.2
Clearwater River–Lochsa River	Weir Creek	ID	Current (post-1985) use of this stream as a bull trout subadult/adult rearing area was documented by CBBTTAT (1998b).	Rationale provided in Lochsa River CHSU justification text	1150350 464575.1

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CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River–Lochsa River	Weir Creek	ID	Presumed to be occupied based on current (post-1985) use of the lower reaches of this stream by subadult/adult bull trout (CBBTTAT 1998a).	Rationale provided in Lochsa River CHSU justification text	1150350 464575.2
Clearwater River–Lochsa River	West Fork Legendary Bear Creek	ID	Surveys have documented bull trout redds over multiple years (USFS 1999e).	Rationale provided in Lochsa River CHSU justification text	1147651 465352
Clearwater River–Lochsa River	Williams Lake Creek	ID	CBI (1997) found multiple age classes of bull trout. Furthermore, occupied by adults during spawning season based on telemetry data (Schiff et al. 2005; Hanson and Schriever 2006).	Rationale provided in Lochsa River CHSU justification text	1147171 466438

21.5. North Fork Clearwater River (and Fish Lake) Critical Habitat Subunit

The North Fork Clearwater River CHSU is essential to bull trout conservation because the North Fork Clearwater River core area has a relatively large number of local populations that support large numbers of bull trout. The CHSU is also relatively secure with few threats. This CHSU also includes the Fish Lake core area, which contains one of only two headwater lake adfluvial bull trout populations in the entire Clearwater River CHU. Bull trout within the North Fork Clearwater River CHSU are one of the more secure and stable bull trout core area populations within the Clearwater CHU, which provides a very important stronghold against potential extinction (see Appendix 1 for more detailed information).

Located within Clearwater, Idaho, and Shoshone Counties, the CHSU includes the entire North Fork Clearwater River basin above Dworshak Dam. A total of 811.1 km (504.0 mi) of streams and rivers, the 6,653.4 ha (16,441.0 ac) Dworshak Reservoir surface area, and 46.1 ha (114.0 ac) of Fish Lake surface area are designated as critical habitat. The following water bodies are included in this CHSU (see Table 58):

(A) Dworshak Reservoir (6,653.4 ha (16,441.0 ac)) provides FMO habitat.

(B) North Fork Clearwater River from the head of the reservoir upstream 106.8 km (66.4 mi) provides FMO habitat; spawning and rearing habitat occurs upstream an additional 18.8 km (11.7 mi) to its headwaters.

(C) Breakfast Creek from its confluence with Little North Fork Clearwater River upstream 1.3 km (0.8 mi) to the mouth of Floodwood Creek provides FMO habitat; spawning and rearing habitat occurs upstream an additional 3.9 km (2.4 mi). Floodwood Creek from its confluence with Breakfast Creek upstream 13.8 km (8.6 mi) to a barrier falls and West Fork Floodwood Creek from its confluence with Floodwood Creek upstream 3.5 km (2.2 mi) to a barrier falls provide spawning and rearing habitat. Stoney Creek from its confluence with Breakfast Creek upstream 7.6 km (4.7 mi) and Glover Creek from its confluence with Stoney Creek upstream 12.1 km (7.5 mi) provide spawning and rearing habitat.

(D) The Little North Fork Clearwater River from Dworshak Reservoir upstream 35.2 km (21.9 mi) provides FMO habitat; spawning and rearing habitat occurs upstream an additional 29.0 km (18.0 mi) to near its headwaters. The following tributaries to the Little North Fork Clearwater River also provide spawning and rearing habitat: Foehl Creek from its confluence with the Little North Fork Clearwater River upstream 6.4 km (4.0 mi); Canyon Creek from its confluence with the Little North Fork Clearwater River upstream 15.5 km (9.7 mi); Buck Creek from its confluence with Canyon Creek upstream 3.5 km (2.2 mi); Montana Creek from its confluence with the Little North Fork Clearwater River upstream 5.5 km (3.4 mi); Butte Creek from its confluence with the Little North Fork Clearwater River upstream 3.0 km (1.8 mi); Rutledge Creek from its confluence with the Little North Fork Clearwater River upstream 5.2 km (3.2 mi); Jungle Creek from its confluence with the Little North Fork Clearwater River upstream 4.2 km (2.6 mi); Adair Creek from its confluence with Jungle Creek upstream 4.7 km (3.0 mi); Rocky Run Creek from its confluence with the Little North Fork Clearwater River upstream 4.9 km (3.0 mi); Lund Creek from its confluence with the Little North Fork Clearwater River upstream 3.3 km (2.0 mi); Little Lost Lake Creek from its confluence with the Little North Fork

Clearwater River upstream 3.9 km (2.5 mi); and Lost Lake Creek from its confluence upstream 3.2 km (2.0 mi).

(E) Isabella Creek from its confluence with the North Fork Clearwater River upstream 11.6 km (7.2 mi) provides spawning and rearing habitat.

(F) Beaver Creek from its confluence with the North Fork Clearwater River upstream 12.5 km (2.8 mi) provides spawning and rearing habitat.

(G) Skull Creek from its confluence with the North Fork Clearwater River upstream 17.5 km (10.8 mi); Collins Creek from its confluence with Skull Creek upstream 16.2 km (10.0 mi); Roaring Creek from its confluence with Skull Creek upstream 4.3 km (2.7 mi) to Frost Creek; and Frost Creek from its confluence with Roaring Creek upstream 2.7 km (1.7 mi) provide spawning and rearing habitat.

(H) Quartz Creek from its confluence with the North Fork Clearwater River upstream 19.7 km (12.3 mi) provides spawning and rearing habitat.

(I) Orogrande Creek from its confluence with the North Fork Clearwater River upstream 1.6 km (1.0 mi) provides FMO habitat; spawning and rearing habitat occurs upstream an additional 18.8 km (11.7 mi).

(J) Weitas Creek from its confluence with the North Fork Clearwater River upstream 10.8 km (6.7 mi) provides FMO habitat; spawning and rearing habitat occurs upstream an additional 32.1 km (19.9 mi) to its headwaters. Johnny Creek from its confluence with Weitas Creek upstream 7.2 km (4.5 mi) provides spawning and rearing habitat. Little Weitas Creek from its confluence with Weitas Creek upstream 3.8 km (2.4 mi) provides FMO habitat. Johnagan Creek from its confluence with Weitas Creek upstream 4.4 km (2.7 mi) and Windy Creek from its confluence with Weitas Creek upstream 13.2 km (8.2 mi) provide spawning and rearing habitat. Liz Creek from its confluence with Weitas Creek upstream 1.8 km (1.1 mi) provides FMO habitat; presumed spawning and rearing habitat occurs upstream an additional 4.3 km (2.7 mi) to its headwaters. Corral Creek from its confluence with Weitas Creek upstream 7.1 km (4.4 mi) and Fro Creek from its confluence with Weitas Creek upstream 1.9 km (1.2 mi) provide presumed spawning and rearing habitat.

(K) Fourth of July Creek from its confluence with the North Fork Clearwater River upstream 12.7 km (7.9 mi) provides FMO habitat; spawning and rearing habitat occurs upstream an additional 9.0 km (5.6 mi) to its headwaters. Shot Creek from its confluence with Fourth of July Creek upstream 8.0 km (5.0 mi) and Bill Creek from its confluence with Fourth of July Creek upstream 7.5 km (4.7 mi) to its headwaters provide presumed spawning and rearing habitat.

(L) Kelly Creek from its confluence with the North Fork Clearwater River upstream 39.0 km (24.3 mi) to North Fork Kelly Creek provides FMO habitat; spawning and rearing habitat occurs upstream an additional 2.2 km (1.4 mi).

(M) Moose Creek from its confluence with Kelly Creek upstream 15.3 km (9.6 mi) provides spawning and rearing habitat. The following tributaries to Moose Creek also provide spawning and rearing habitat: Ruby Creek from its confluence upstream 2.7 km (1.7 mi); Little Moose Creek from its confluence upstream 16.1 km (10.0 mi); Swamp Creek from its confluence with Osier Creek upstream 8.7 km (5.4 mi); Sugar Creek from its confluence with Swamp Creek upstream 6.4 km (4.0 mi); Pollock Creek from its confluence with Swamp Creek upstream

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2.7 km (1.7 mi); and Osier Creek from its confluence with Swamp Creek upstream 13.1 km (8.1 mi) provide spawning and rearing habitat.

(N) Bear Creek from its confluence with Kelly Creek upstream 6.1 km (3.8 mi) provides spawning and rearing habitat.

(O) South Fork Kelly Creek from its confluence with Kelly Creek upstream 4.3 km (2.7 mi) and Middle Fork Kelly Creek from its confluence with Kelly Creek upstream 5.0 km (3.1 mi) provide spawning and rearing habitat. Kid Lake Creek from its confluence with Middle Fork Kelly Creek upstream 2.9 km (1.8 mi); and North Fork Kelly Creek from its confluence with Kelly Creek upstream 8.8 km (5.4 mi) also provide spawning and rearing habitat.

(P) Cayuse Creek from its confluence with Kelly Creek upstream 47.7 km (29.6 mi) provides FMO habitat; spawning and rearing habitat occurs upstream an additional 5.0 km (3.1 mi). Weasel Creek from its confluence with Cayuse Creek upstream 2.9 km (1.8 mi); Mink Creek from its confluence with Cayuse Creek upstream 3.4 km (2.1 mi); and Silver Creek from its confluence with Cayuse Creek upstream 5.5 km (3.4 mi) provide spawning and rearing habitat.

(Q) Lake Creek from its confluence with the North Fork Clearwater River upstream 19.6 km (12.2 mi) to Fish Lake provides spawning and rearing habitat. Fish Lake (46.1 ha (115.0 ac)) provides FMO habitat. Four unnamed and unmapped inlets that enter Fish Lake on the eastern end of the lake and a fifth unnamed inlet on the north side from their confluence with Fish Lake upstream to their sources provide spawning and rearing habitat. Goose Creek from its confluence with Lake Creek upstream 8.2 km (5.1 mi) provides spawning and rearing habitat.

(R) Long Creek from its confluence with the North Fork Clearwater River upstream 11.3 km (7.0 mi) provides spawning and rearing habitat. Short Creek from its confluence with Long Creek upstream 3.7 km (2.3 mi); Rawhide Creek from its confluence with Long Creek upstream 5.5 km (3.4 mi); Slate Creek from its confluence with Long Creek upstream 0.7 km (0.5 mi); and an unnamed Long Creek tributary from its confluence upstream 1.3 km (0.8 mi) also provide spawning and rearing habitat.

(S) Meadow Creek from its confluence with the North Fork Clearwater River upstream 12.9 km (8.0 mi) provides spawning and rearing habitat. In addition, the following tributaries to the North Fork Clearwater River also provide spawning and rearing habitat: Vanderbilt Gulch from its confluence with the North Fork Clearwater River upstream 6.9 km (4.3 mi); Chamberlain Creek from its confluence with Vanderbilt Gulch upstream 2.7 km (1.7 mi); Placer Creek from its confluence with Vanderbilt Gulch upstream 2.6 km (1.6 mi); Bostonian Creek from its confluence with the North Fork Clearwater River upstream 5.9 km (3.6 mi); Niagara Gulch from its confluence with Bostonian Creek upstream 1.9 km (1.2 mi); Boundary Creek from its confluence with the North Fork Clearwater River upstream 3.0 km (1.9 mi); and Graves Creek from its from its confluence with the North Fork Clearwater River upstream 3.2 km (2.0 mi).

Table 58. Water body segments designated as critical habitat for bull trout, including documentation of occupancy and site-specific rationale in the Clearwater River–North Fork Clearwater River CHU/CHSU

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River–North Fork Clearwater River	Adair Creek	ID	Current (post-1985) use of this stream for spawning/early rearing of bull trout has been documented by CBBTTAT (1998c).	Rationale provided in North Fork Clearwater River CHSU justification text	1158049 470831
Clearwater River–North Fork Clearwater River	Bear Creek	ID	Spot-sampling by the Nez Perce Tribe during early August 1999 found multiple age classes of bull trout (fish 82-217 mm long) in Bear Creek (Weigel, in litt. 2002).	Rationale provided in North Fork Clearwater River CHSU justification text	1149624 467111
Clearwater River–North Fork Clearwater River	Beaver Creek	ID	Occupied based on snorkeling and telemetry data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1156197 468418
Clearwater River–North Fork Clearwater River	Bill Creek	ID	Use is suspected but stream has not been sampled (P. Murphy, pers. comm. 2009).	Rationale provided in North Fork Clearwater River CHSU justification text	1152700 466313
Clearwater River–North Fork Clearwater River	Bostonian Creek	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1151127 469617
Clearwater River–North Fork Clearwater River	Boundary Creek	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1151074 469720
Clearwater River–North Fork Clearwater River	Breakfast Creek	ID	Occupied based on snorkeling and telemetry data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1159387 468832.1
Clearwater River–North Fork Clearwater River	Breakfast Creek	ID	Occupied based on snorkeling and telemetry data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1159387 468832.2
Clearwater River–North Fork Clearwater River	Breakfast Creek	ID	Presumed occupied based on documented bull trout in the lower reaches of this stream (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1159387 468832.3
Clearwater River–North Fork Clearwater River	Buck Creek	ID	Occupied based on annual spawning surveys (Hardy et al. 2008).	Rationale provided in North Fork Clearwater River CHSU justification text	1155544 470214
Clearwater River–North Fork Clearwater River	Butte Creek (North Fork Clearwater)	ID	Occupied based on annual spawning surveys (Hardy et al. 2008).	Rationale provided in North Fork Clearwater River CHSU justification text	1157186 470452

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River–North Fork Clearwater River	Canyon Creek	ID	Occupied based on telemetry data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1156503 470004
Clearwater River–North Fork Clearwater River	Cayuse Creek	ID	Occupied based on telemetry data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1150201 467122.1
Clearwater River–North Fork Clearwater River	Cayuse Creek	ID	The Recovery Plan (Service 2002a) indicates historic use of this area for bull trout SR is known.	Rationale provided in North Fork Clearwater River CHSU justification text	1150201 467122.2
Clearwater River–North Fork Clearwater River	Chamberlain Creek	ID	Current (post-1985) spawning/early rearing by bull trout has been documented in this section of stream (CBBTTAT 1998c). Small juvenile bull trout (age 2 or less) were documented in 1993 (CBI 1994).	Rationale provided in North Fork Clearwater River CHSU justification text	1151419 469286
Clearwater River–North Fork Clearwater River	Collins Creek	ID	Occupied based on telemetry data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1154329 468619
Clearwater River–North Fork Clearwater River	Corral Creek	ID	Corral Creek is a remote stream suspected of current SR use by bull trout, but this has not yet been checked with focused surveys (P. Murphy, pers. comm. 2009).	Rationale provided in North Fork Clearwater River CHSU justification text	1152400 464825
Clearwater River–North Fork Clearwater River	Floodwood Creek	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1159530 468879.1
Clearwater River–North Fork Clearwater River	Floodwood Creek	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1159530 468879.2
Clearwater River–North Fork Clearwater River	Foehl Creek	ID	Occupied based on snorkeling and telemetry data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1156748 469702
Clearwater River–North Fork Clearwater River	Fourth of July Creek	ID	Platts et al. (1993) identified lower Fourth of July Creek as a known bull trout stream.	Rationale provided in North Fork Clearwater River CHSU justification text	1153757 466652.1
Clearwater River–North Fork Clearwater River	Fourth of July Creek	ID	Current (post-1985) use of this stream segment for spawning/early rearing of bull trout has been documented by CBBTTAT (1998c).	Rationale provided in North Fork Clearwater River CHSU justification text	1153757 466652.2
Clearwater River–North Fork Clearwater River	Fro Creek	ID	Fro Creek is a remote stream suspected of current SR use by bull trout, but this has not yet been checked with focused surveys (P. Murphy, pers. comm. 2002b).	Rationale provided in North Fork Clearwater River CHSU justification text	1152209 464787

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River–North Fork Clearwater River	Frost Creek	ID	USFS surveys have documented the presence of small juvenile bull trout (age 2 or less) in this section of stream (E. Key, pers. comm. 2002).	Rationale provided in North Fork Clearwater River CHSU justification text	1153480469181
Clearwater River–North Fork Clearwater River	Glover Creek	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1160120469156.1
Clearwater River–North Fork Clearwater River	Glover Creek	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1160120469156.2
Clearwater River–North Fork Clearwater River	Goose Creek	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1150121468518
Clearwater River–North Fork Clearwater River	Graves Creek	ID	Occupied based on telemetry data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1151001469857
Clearwater River–North Fork Clearwater River	Isabella Creek	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1156297468487.1
Clearwater River–North Fork Clearwater River	Isabella Creek	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1156297468487.2
Clearwater River–North Fork Clearwater River	Isabella Creek	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1156297468487.3
Clearwater River–North Fork Clearwater River	Johnagan Creek	ID	The presence of subadult bull trout in this segment of channel was documented during a recent USFS survey (E. Key pers. comm. 2002).	Rationale provided in North Fork Clearwater River CHSU justification text	1153657465101
Clearwater River–North Fork Clearwater River	Johnny Creek	ID	Large (spawner sized) bull trout were seen in lower Johnny Creek during low intensity surveys by the Nez Perce Tribe in mid-August 1998 (Weigel, in litt. 2002).	Rationale provided in North Fork Clearwater River CHSU justification text	1154343466131.1
Clearwater River–North Fork Clearwater River	Johnny Creek	ID	A small (age 2 or less) juvenile bull trout was documented in this segment of Johnny Creek during recent USFS surveys (E. Key, pers. comm. 2002), pointing to use of the area for spawning/early rearing.	Rationale provided in North Fork Clearwater River CHSU justification text	1154343466131.2
Clearwater River–North Fork Clearwater River	Jungle Creek	ID	Current (post-1985) use of this stream for spawning/early rearing of bull trout has been documented by CBBTTAT (1998c).	Rationale provided in North Fork Clearwater River CHSU justification text	1158035470765

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River–North Fork Clearwater River	Kelly Creek	ID	Occupied based on snorkeling and telemetry data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1152567 467157.1
Clearwater River–North Fork Clearwater River	Kelly Creek	ID	Occupied based on snorkeling and telemetry data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1152567 467157.2
Clearwater River–North Fork Clearwater River	Kid Lake Creek	ID	Small juvenile bull trout have been found recently in this stream, indicating its use as a spawning/early rearing area (P. Murphy, pers. comm. 2002c).	Rationale provided in North Fork Clearwater River CHSU justification text	1148054 467474.1
Clearwater River–North Fork Clearwater River	Lake Creek	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1150785 468690
Clearwater River–North Fork Clearwater River	Little Lost Lake Creek	ID	Occupied based on annual spawning surveys (Hardy et al. 2008).	Rationale provided in North Fork Clearwater River CHSU justification text	1158923 470887
Clearwater River–North Fork Clearwater River	Little Moose Creek	ID	Occupied based on snorkeling data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1150768 467333.1
Clearwater River–North Fork Clearwater River	Little Moose Creek	ID	Occupied based on snorkeling (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1150768 467333.2
Clearwater River–North Fork Clearwater River	Little North Fork Clearwater River	ID	Occupied based on snorkeling and telemetry data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1158767 468868.1
Clearwater River–North Fork Clearwater River	Little North Fork Clearwater River	ID	Occupied based on annual spawning surveys (Hardy et al. 2008).	Rationale provided in North Fork Clearwater River CHSU justification text	1158767 468868.2
Clearwater River–North Fork Clearwater River	Little Weitas Creek	ID	Platts et al. (1993) identified lower Little Weitas Creek as a known bull trout stream.	Rationale provided in North Fork Clearwater River CHSU justification text	1153913 465059
Clearwater River–North Fork Clearwater River	Liz Creek	ID	Spot-sampling by the Nez Perce Tribe found a 182 mm subadult bull trout near the upper end of this reach in late August 1998 (Weigel, in litt. 2002).	Rationale provided in North Fork Clearwater River CHSU justification text	1152890 464816.1
Clearwater River–North Fork Clearwater River	Liz Creek	ID	Recent sampling of upper Liz Creek has been very limited and insufficient to document the presence of bull trout, or to give confidence that the species is not present. Bull trout have been documented downstream (Weigel, in litt. 2002).	Rationale provided in North Fork Clearwater River CHSU justification text	1152890 464816.2

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River–North Fork Clearwater River	Long Creek	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1150746468725
Clearwater River–North Fork Clearwater River	Lost Lake Creek	ID	Occupied based on annual spawning surveys (Hardy et al. 2008).	Rationale provided in North Fork Clearwater River CHSU justification text	1158998470955
Clearwater River–North Fork Clearwater River	Lund Creek	ID	Occupied based on annual spawning surveys (Hardy et al. 2008).	Rationale provided in North Fork Clearwater River CHSU justification text	1158835470676
Clearwater River–North Fork Clearwater River	Meadow Creek	ID	Occupied based on telemetry data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1151156469053.1
Clearwater River–North Fork Clearwater River	Meadow Creek	ID	Occupied based on telemetry data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1151156469053.2
Clearwater River–North Fork Clearwater River	Middle Fork Kelly Creek	ID	Forest Service surveyors have seen adult bull trout in this segment of stream (P. Murphy, pers. comm. 2002d).	Rationale provided in North Fork Clearwater River CHSU justification text	1148599467304
Clearwater River–North Fork Clearwater River	Mink Creek	ID	Juvenile bull trout have been documented (P. Murphy, pers. comm. 2009).	Rationale provided in North Fork Clearwater River CHSU justification text	1148940466013
Clearwater River–North Fork Clearwater River	Montana Cr	ID	Recent (post-1985) use of this stream for spawning/early rearing of bull trout has been documented by CBBTTAT (1998c).	Rationale provided in North Fork Clearwater River CHSU justification text	1157000470450
Clearwater River–North Fork Clearwater River	Moose Creek	ID	Occupied based on snorkeling and telemetry data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1150859467207.1
Clearwater River–North Fork Clearwater River	Moose Creek	ID	Occupied based on snorkeling and telemetry data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1150859467207.2
Clearwater River–North Fork Clearwater River	Moose Creek	ID	Occupied based on snorkeling and telemetry data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1150859467207.3
Clearwater River–North Fork Clearwater River	Moose Creek	ID	Occupied based on snorkeling and telemetry data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1150859467207.4

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River–North Fork Clearwater River	Niagra Gulch	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1151362 469673
Clearwater River–North Fork Clearwater River	North Fork Clearwater River	ID	Occupied based on snorkeling and telemetry data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1163310 465027.1
Clearwater River–North Fork Clearwater River	North Fork Clearwater River	ID	Occupied based on snorkeling and telemetry data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1163310 465027.2
Clearwater River–North Fork Clearwater River	North Fork Clearwater River	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1163310 465027.3
Clearwater River–North Fork Clearwater River	North Fork Clearwater River	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1163310 465027.4
Clearwater River–North Fork Clearwater River	North Fork Kelly Creek	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1148599 467305.1
Clearwater River–North Fork Clearwater River	North Fork Kelly Creek	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1148599 467305.2
Clearwater River–North Fork Clearwater River	Orogrande Creek	ID	Occupied based on snorkeling and telemetry data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1155062 466314.1
Clearwater River–North Fork Clearwater River	Orogrande Creek	ID	Occupied based on snorkeling and telemetry data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1155062 466314.2
Clearwater River–North Fork Clearwater River	Osier Creek	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1150729 467436.2
Clearwater River–North Fork Clearwater River	Osier Creek	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1150729 467436.3
Clearwater River–North Fork Clearwater River	Osier Creek	ID	Presumed occupied based on documented redds in the lower reaches of this stream (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1150729 467436

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River–North Fork Clearwater River	Placer Creek	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1151674 469385
Clearwater River–North Fork Clearwater River	Pollock Creek	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1150220 467805
Clearwater River–North Fork Clearwater River	Quartz Creek	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1154555 468064.1
Clearwater River–North Fork Clearwater River	Quartz Creek	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1154555 468064.2
Clearwater River–North Fork Clearwater River	Rawhide Creek	ID	Mapped as having current (post-1985) use as a spawning/early rearing stream by CBBTTAT (1998c). Small bull trout (107-125 mm) sampled here by the Nez Perce Tribe in 1998 (Weigel, in litt. 2002).	Rationale provided in North Fork Clearwater River CHSU justification text	1150466 468980
Clearwater River–North Fork Clearwater River	Roaring Creek	ID	Current use is suspected based on known bull trout use both immediately upstream in Frost Creek and immediately downstream in Skull Creek (E. Key, pers. comm. 2002; Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1153549 468859
Clearwater River–North Fork Clearwater River	Rocky Run	ID	Occupied based on annual spawning surveys (Hardy et al. 2008).	Rationale provided in North Fork Clearwater River CHSU justification text	1158177 470689
Clearwater River–North Fork Clearwater River	Ruby Creek	ID	CBI (1999) found small (age 2 or less) bull trout in this stream.	Rationale provided in North Fork Clearwater River CHSU justification text	1150777 467329
Clearwater River–North Fork Clearwater River	Rutledge Creek	ID	Occupied based on annual spawning surveys (Hardy et al. 2008).	Rationale provided in North Fork Clearwater River CHSU justification text	1157543 470727
Clearwater River–North Fork Clearwater River	Short Creek	ID	Current (post-1985) spawning/early rearing has been documented in this stream (CBBTTAT 1998c).	Rationale provided in North Fork Clearwater River CHSU justification text	1150569 468858
Clearwater River–North Fork Clearwater River	Shot Creek	ID	Use is suspected but stream has not been sampled (P. Murphy, pers. comm. 2009).	Rationale provided in North Fork Clearwater River CHSU justification text	1152800 466386
Clearwater River–North Fork Clearwater River	Silver Creek	ID	Bull trout have been documented in this stream (P. Murphy, pers. comm. 2009).	Rationale provided in North Fork Clearwater River CHSU justification text	1148299 466074.2

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River–North Fork Clearwater River	Skull Creek	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1154851 468271.1
Clearwater River–North Fork Clearwater River	Skull Creek	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1154851 468271.2
Clearwater River–North Fork Clearwater River	Slate Creek	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1150176 469271
Clearwater River–North Fork Clearwater River	South Fork Kelly Creek	ID	CBBTTAT (1998c) identified this stream as having current (post-1985) spawning/early rearing use by bull trout.	Rationale provided in North Fork Clearwater River CHSU justification text	1148622 467117
Clearwater River–North Fork Clearwater River	Stoney Creek	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1159693 468844
Clearwater River–North Fork Clearwater River	Sugar Creek	ID	Occupied based on telemetry data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1150345 467706
Clearwater River–North Fork Clearwater River	Swamp Creek	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1150667 467446.1
Clearwater River–North Fork Clearwater River	UNNAMED - off Long Creek	ID	Mapped as providing (post-1985) spawning/early rearing habitat by CBBTTAT (1998c).	Rationale provided in North Fork Clearwater River CHSU justification text	1150238 469386
Clearwater River–North Fork Clearwater River	Vanderbilt Gulch	ID	Occupied based on annual spawning surveys (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1151192 469156
Clearwater River–North Fork Clearwater River	Weasel Creek	ID	Use of this stream by bull trout is suspected but it has been little sampled (P. Murphy, pers. comm. 2002c).	Rationale provided in North Fork Clearwater River CHSU justification text	1149042 466013
Clearwater River–North Fork Clearwater River	Weitas Creek	ID	Occupied based on telemetry data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1154329 466361.1
Clearwater River–North Fork Clearwater River	Weitas Creek	ID	Occupied based on telemetry data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1154329 466361.2

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CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Clearwater River– North Fork Clearwater River	Weitas Creek	ID	Occupied based on telemetry data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1154329 466361.3
Clearwater River– North Fork Clearwater River	Weitas Creek	ID	Occupied based on telemetry data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1154329 466361.4
Clearwater River– North Fork Clearwater River	West Fork Floodwood Creek	ID	Occupied based on snorkeling data (Hanson et al. 2006).	Rationale provided in North Fork Clearwater River CHSU justification text	1159271 469569
Clearwater River– North Fork Clearwater River	Windy Creek	ID	CBI (2000) found bull trout in Windy Cr. but no small juvenile fish in this lower-most segment.	Rationale provided in North Fork Clearwater River CHSU justification text	1153271 464941
Clearwater River– North Fork Clearwater River	Windy Creek	ID	CBBTTAT (1998c) identified Windy Cr. as currently (post- 1985) used by bull trout as a spawning/early rearing stream.	Rationale provided in North Fork Clearwater River CHSU justification text	1153271 464941.2