

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

**Chapter 29. Columbia Headwaters Recovery Unit—
Coeur d'Alene River Basin Critical Habitat Unit**

Chapter 29. Coeur d'Alene River Basin Critical Habitat Unit

The Coeur d'Alene River Basin CHU is essential maintaining bull trout distribution within this unique geographic region of the Columbia Headwaters RU because it represents the most downstream extent of bull trout in the Columbia Headwaters RU. Bull trout local populations that were known to be historically present have not been recently documented in large portions of the Coeur d'Alene Lake basin. Reestablishing local populations that are broadly distributed throughout the CHU has been identified as necessary for bull trout recovery. The bull trout population that occurs in this CHU (currently primarily located in the headwaters of the upper Saint Joe River system, which is a major tributary to Coeur d'Alene Lake) has been isolated from other bull trout populations for at least 10,000 years by natural falls on the Spokane River (the outflow of Coeur d'Alene Lake). Losing this population would represent a loss of unique genetic and adaptive characteristics and result in a significant gap in range of bull trout with no opportunity for natural recolonization (see Appendix 1 for more detailed information).

Located in Kootenai, Shoshone, Benewah, Bonner, and Latah Counties in Idaho, the Coeur d'Alene River Basin CHU includes the entire Coeur d'Alene Lake basin in northern Idaho. A total of 819.6 km (509.3 mi) of streams and 12,606.9 ha (31,152.2 ac) of lake surface area are designated as critical habitat. There are no subunits within the Coeur d'Alene River Basin CHU.

The following water bodies are included in this CHSU (see Table 82):

(A) Coeur d'Alene Lake, approximately 12,606.9 ha (31,152.2 ac) in surface area provides FMO habitat.

(B) Coeur d'Alene River from its confluence upstream 59.3 km (36.9 mi) to the confluence of the North Fork and South Fork of the Coeur d'Alene River provides FMO habitat. North Fork Coeur d'Alene River from its confluence with the South Fork Coeur d'Alene River upstream 107.3 km (66.7 mi) to Martin Creek provides FMO habitat. The North Fork Coeur d'Alene River from its confluence with Martin Creek upstream 15.4 km (9.6 mi) to its headwaters is unoccupied but is anticipated to provide spawning and rearing habitat.

(C) Cougar Creek from its confluence with the North Fork Coeur d'Alene River upstream 15.2 km (9.5 mi) is unoccupied but is anticipated to provide spawning and rearing habitat.

(D) Steamboat Creek from its confluence with the North Fork Coeur d'Alene River upstream 8.2 km (5.1 mi) to its confluence with East Fork Steamboat Creek and West Fork Steamboat Creek is unoccupied but is anticipated to provide spawning and rearing habitat. East Fork Steamboat Creek upstream 8.6 km (5.4 mi) and West Fork Steamboat Creek upstream 6.9 km (4.3 mi) from their confluence with Steamboat Creek to their headwaters are unoccupied but are anticipated to provide spawning and rearing habitat.

(E) Prichard Creek from its confluence with the North Fork Coeur d'Alene River upstream 4.7 km (2.9 mi) to its confluence with Eagle Creek, and Eagle Creek from its confluence with Prichard Creek upstream 1.6 km (1.0 mi) to its confluence with the West Fork Eagle Creek are unoccupied but are anticipated to provide FMO habitat. West Fork Eagle Creek from its confluence with Eagle Creek upstream 14.9 km (9.3 mi) to its headwaters is unoccupied but is anticipated to provide spawning and rearing habitat.

(F) Shoshone Creek from its confluence with the North Fork Coeur d'Alene River upstream 17.9 km (11.2 mi) to Clinton Creek is unoccupied but is anticipated to provide FMO habitat. Shoshone Creek from its confluence with Clinton Creek upstream 11.9 km (7.4 mi) to its headwaters is unoccupied but is anticipated to provide spawning and rearing habitat. Falls Creek from its confluence with Shoshone Creek upstream 7.0 km (4.4 mi); Sentinel Creek from its confluence with Shoshone Creek upstream 3.2 km (2.0 mi); Ulm Creek from its confluence with Shoshone Creek upstream 3.7 km (2.3 mi); and Little Lost Fork from its confluence with Shoshone Creek upstream 3.9 km (2.4 mi) are all unoccupied but are anticipated to provide spawning and rearing habitat.

(G) Downey Creek from its confluence with the North Fork Coeur d'Alene River upstream 5.5 km (3.4 mi) to its confluence with East Fork Downey Creek and West Fork Downey Creek is unoccupied but is anticipated to provide spawning and rearing habitat. North Grizzly Creek from its confluence with Downey Creek upstream 4.7 km (3.0 mi); East Fork Downey Creek from its confluence with Downey Creek upstream 2.6 km (1.6 mi); and West Fork Downey Creek from its confluence with Downey Creek upstream 3.4 km (2.1 mi) to their headwaters are all unoccupied but are anticipated to provide spawning and rearing habitat.

(H) Yellow Dog Creek from its confluence with the North Fork Coeur d'Alene River upstream 8.2 km (5.1 mi) to its headwaters is unoccupied but is anticipated to provide spawning and rearing habitat.

(I) Tepee Creek from its confluence with the North Fork Coeur d'Alene River upstream 14.2 km (8.8 mi) to its confluence with Big Elk Creek is unoccupied but is anticipated to provide FMO habitat. Tepee Creek from its confluence with Big Elk Creek upstream 13.6 km (8.4 mi) to its headwaters is unoccupied but is anticipated to provide spawning and rearing habitat. Independence Creek from its confluence with Tepee Creek upstream 9.9 km (6.2 mi) is unoccupied but is anticipated to provide FMO habitat. Independence Creek from its confluence with North Creek upstream 15.2 km (9.4 mi) to its headwaters is unoccupied but is anticipated to provide spawning and rearing habitat. Big Elk Creek from its confluence with Tepee Creek upstream 9.0 km (5.6 mi) to its headwaters is unoccupied but is anticipated to provide spawning and rearing habitat.

(J) Spruce Creek from its confluence with the North Fork Coeur d'Alene River upstream 9.2 km (5.7 mi) to its headwaters is unoccupied but is anticipated to provide spawning and rearing habitat.

(K) Buckskin Creek from its confluence with the North Fork Coeur d'Alene River upstream 6.9 km (4.3 mi) to its headwaters is unoccupied but is anticipated to provide spawning and rearing habitat.

(L) Mosquito Creek from its confluence with the North Fork Coeur d'Alene River upstream 4.8 km (3.0 mi) to its headwaters is unoccupied but is anticipated to provide spawning and rearing habitat.

(M) St. Joe River from its confluence with Coeur d'Alene Lake upstream 151.5 km (94.1 mi) to its confluence with Simmons Creek provides FMO habitat. The upper St. Joe River from its confluence with Simmons Creek upstream 58.9 km (36.6 mi) to Rambikur Falls (just below St. Joe Lake) provides spawning and rearing habitat.

(N) Marble Creek from its confluence with the St. Joe River upstream 25.8 km (16.1 mi) to Homestead Creek provides FMO habitat. Marble Creek upstream of Homestead Creek 15.0 km (9.3 mi) to its headwaters is unoccupied but is anticipated to provide spawning and rearing habitat. Boulder Creek from its confluence with Marble Creek upstream 13.2 km (8.2 mi) to its headwaters; Homestead Creek from its confluence with Marble Creek upstream 2.5 km (1.6 mi) to a barrier falls; Freezout Creek from its confluence with Marble Creek upstream 6.4 km (4.0 mi) to its headwaters; and Delaney Creek from its confluence with Marble Creek upstream 1.1 km (0.7 mi) to a barrier falls are unoccupied but are anticipated to provide spawning and rearing habitat.

(O) Quartz Creek from its confluence with the St. Joe River upstream 4.0 km (2.5 mi) provides spawning and rearing habitat. Entente Creek from its confluence with Quartz Creek upstream 6.0 km (3.7 mi) provides spawning and rearing habitat.

(P) Gold Creek from its confluence with the St. Joe River upstream 10.6 km (6.6 mi) provides spawning and rearing habitat.

(Q) Simmons Creek from its confluence with the St. Joe River upstream 18.7 km (11.6 mi) to its headwaters provides spawning and rearing habitat. Dolly Creek from its confluence with Simmons Creek upstream 3.5 km (2.2 mi) provides spawning and rearing habitat.

(R) Fly Creek from its confluence with the St. Joe River upstream 9.8 km (6.1 mi) to its headwaters at Twin Lakes provides spawning and rearing habitat.

(S) Beaver Creek from its confluence with the St. Joe River upstream 10.5 km (6.6 mi) to its headwaters and Bad Bear Creek from its confluence with Beaver Creek upstream 5.0 km (3.1 mi) to its headwaters provide spawning and rearing habitat.

(T) Red Ives Creek from its confluence with the St. Joe River upstream 9.2 km (5.7 mi) to its headwaters provides spawning and rearing habitat.

(U) Timber Creek from its confluence with the St. Joe River upstream 8.5 km (5.3 mi) to its headwaters provides spawning and rearing habitat.

(V) Ruby Creek from its confluence with the St. Joe River upstream 6.7 km (4.2 mi) to its headwaters and My Creek from its confluence with Ruby Creek upstream 2.9 km (1.8 mi) to its headwaters provide spawning and rearing habitat.

(W) Bean Creek from its confluence with the St. Joe River upstream 7.3 km (4.5 mi) to its headwaters; North Fork Bean Creek from its confluence with Bean Creek upstream 3.1 km (2.0 mi) to its headwaters; Tinear Creek from its confluence with Bean Creek upstream 5.8 km (3.6 mi) to its headwaters; and Mill Creek from its confluence with Tinear Creek upstream 3.4 km (2.1 mi) to its headwaters provide spawning and rearing habitat.

(X) Heller Creek from its confluence with the St. Joe River upstream 6.0 km (3.7 mi) to its headwaters and Sherlock Creek from its confluence with Heller Creek upstream 7.4 km (4.6 mi) to its headwaters provide spawning and rearing habitat.

(Y) Cascade Creek from its confluence with the St. Joe River upstream 1.7 km (1.1 mi) provides rearing habitat.

(Z) Blue Bells Creek from its confluence with the St. Joe River upstream 1.2 km (0.7 mi) provides rearing habitat.

(AA) Yankee Bar Creek from its confluence with the St. Joe River upstream 3.3 km (2.0 mi) to its headwaters provides spawning and rearing habitat.

(BB) California Creek from its confluence with the St. Joe River upstream 4.7 km (2.9 mi) to its headwaters provides spawning and rearing habitat.

(CC) Medicine Creek from its confluence with the St. Joe River upstream 4.7 km (2.9 mi) provides spawning and rearing habitat.

(DD) Wisdom Creek from its confluence with the St. Joe River upstream 6.1 km (3.8 mi) provides spawning and rearing habitat.

Table 82. Water body segments designated as critical habitat for bull trout, including documentation of occupancy and site-specific rationale in the Coeur d'Alene River Basin CHU/CHSU

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Coeur d'Alene River Basin—None	Bad Bear Creek	ID	Bull trout documented in this watershed downstream in Beaver Creek (Hardy et al. 2008; Watson and Hillman 1997).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1154367 470637
Coeur d'Alene River Basin—None	Bean Creek	ID	Bull trout redds documented (Hawdon in litt. 2009), and juvenile bull trout documented during surveys (Grunder 2009).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1152704 470050
Coeur d'Alene River Basin—None	Beaver Creek	ID	Occupied based on annual spawning surveys (Hardy et al. 2008).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1153552 470829
Coeur d'Alene River Basin—None	Big Elk Creek	ID	Bull trout have not been documented, but habitat has been identified as suitable for bull trout SR (Lider pers. comm. 2009). Recolonization of unoccupied habitats has been identified as necessary for recovery (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1162751 478037
Coeur d'Alene River Basin—None	Bluebells Creek	ID	Juvenile bull trout documented during surveys (Hawdon in litt. 2008).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1151574 470410
Coeur d'Alene River Basin—None	Boulder Creek	ID	Historically occupied, but not documented in more recent surveys. Habitat is connected and in good condition (Hawdon pers. comm. 2009). Recolonization of unoccupied habitats has been identified as necessary for recovery (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1160187 472267
Coeur d'Alene River Basin—None	Buckskin Creek	ID	Bull trout have not been documented, but habitat is connected and has been identified as suitable for bull trout SR (Lider pers. comm. 2009). Recolonization of unoccupied habitats is necessary for recovery in this core area (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1162254 479872.1
Coeur d'Alene River Basin—None	Buckskin Creek	ID	Bull trout have not been documented, but habitat is connected and has been identified as suitable for bull trout SR (Lider pers. comm. 2009). Recolonization of unoccupied habitats is necessary for recovery in this core area (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1162254 479872.2
Coeur d'Alene River Basin—None	California Creek	ID	Occupied based on annual spawning surveys (Hardy et al. 2008).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1151592 470407
Coeur d'Alene River Basin—None	Cascade Creek (St. Joe trib)	ID	Juvenile bull trout documented during surveys (Hawdon in litt. 2008).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1151710 470444

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Coeur d'Alene River Basin—None	Coeur d'Alene River	ID	The Coeur d'Alene River provides migratory habitat to bull trout that utilized tributary habitats in the recent past (Apperson et al. 1988; USFS 1998b).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1167627 476453
Coeur d'Alene River Basin—None	Cougar Creek	ID	Bull trout have not been documented, but habitat is connected and has been identified as suitable for bull trout SR (Lider pers. comm. 2009). Recolonization of unoccupied habitats is necessary for recovery in this core area (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1161907 476402
Coeur d'Alene River Basin—None	Delaney Creek	ID	Historically present downstream. Likely provides high quality SR habitat for bull trout (DuPont et al. 2008). Recolonization of unoccupied habitats is necessary for recovery in this core area (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1159975 470621
Coeur d'Alene River Basin—None	Dolly Creek	ID	Bull trout redds have been documented in adjacent stream (Simmons Creek) in past years (Hardy et al. 2008).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1152536 471258
Coeur d'Alene River Basin—None	Downey Creek	ID	Historically present, but not documented in recent surveys. Habitat is connected and has been identified as suitable for bull trout SR (Lider pers. comm. 2009). Recolonization of unoccupied habitats is necessary for recovery in this core area (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1160365 477783
Coeur d'Alene River Basin—None	Eagle Creek	ID	Bull trout documented in the recent past (USFS 1998b).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1159208 476444
Coeur d'Alene River Basin—None	East Fork Downey Creek	ID	Historically present downstream, but not documented in recent surveys. Habitat is connected and has been identified as suitable for bull trout SR (Lider pers. comm. 2009). Recolonization of unoccupied habitats is necessary for recovery in this core area (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1160739 477456
Coeur d'Alene River Basin—None	East Fork Steamboat Creek	ID	Bull trout have not been documented, but habitat is connected and has been identified as suitable for bull trout SR (Lider pers. comm. 2009). Recolonization of unoccupied habitats is necessary for recovery in this core area (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1161988 477161
Coeur d'Alene River Basin—None	Entente Creek	ID	Occupied based on annual spawning surveys (Hardy et al. 2008).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1154932 472307
Coeur d'Alene River Basin—None	Falls Creek	ID	Documented in the 1990s (USFS 1998b), but not in recent years. Habitat is connected and has been identified as suitable for bull trout SR (Lider pers. comm. 2009). Recolonization of unoccupied habitats is necessary for recovery in this core area (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1159538 477873

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CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Coeur d'Alene River Basin—None	Fly Creek	ID	Occupied based on annual spawning surveys (Hardy et al. 2008).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1153848 471132
Coeur d'Alene River Basin—None	Freezeout Creek	ID	Historically present downstream. Likely provides high quality SR habitat for bull trout (DuPont et al. 2008). Recolonization of unoccupied habitats is necessary for recovery in this core area (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1160079 470712
Coeur d'Alene River Basin—None	Gold Creek	ID	Occupied based on annual spawning surveys (Hardy et al. 2008).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1154076 471511
Coeur d'Alene River Basin—None	Heller Creek	ID	Occupied based on annual spawning surveys (Hardy et al. 2008).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1152198 470607
Coeur d'Alene River Basin—None	Homestead Creek	ID	Historically present downstream. Likely provides high quality SR habitat for bull trout (DuPont et al. 2008). Recolonization of unoccupied habitats is necessary for recovery in this core area (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1160571 471089
Coeur d'Alene River Basin—None	Independence Creek	ID	Bull trout have not been documented, but habitat is connected and would serve as a migratory corridor for future recovery of a local population. It has also been identified as necessary for recovery (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1162082 478773.1
Coeur d'Alene River Basin—None	Independence Creek	ID	Bull trout have not been documented, but habitat is connected and has been identified as suitable for bull trout SR (Lider pers. comm. 2009). Recolonization of unoccupied habitats is necessary for recovery in this core area (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1162082 478773.2
Coeur d'Alene River Basin—None	Little Lost Fork	ID	Bull trout have not been documented, but habitat is connected and has been identified as suitable for bull trout SR (Lider pers. comm. 2009). Recolonization of unoccupied habitats is necessary for recovery in this core area (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1160007 478625
Coeur d'Alene River Basin—None	Marble Creek	ID	Documented in recent years (IDFG 1999). Habitat is connected and would provide migratory habitat for future recovery of local populations in upstream tributaries.	Rationale provided in Coeur d'Alene River Basin CHU justification text	1160207 472508
Coeur d'Alene River Basin—None	Marble Creek	ID	Historically present. Likely provides high quality SR habitat for bull trout (DuPont et al. 2008). Recolonization of unoccupied habitats is necessary for recovery in this core area (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1160207 472508.1

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Coeur d'Alene River Basin—None	Marble Creek	ID	Historically present. Would provide migratory habitat for potential recolonized bull trout local populations upstream (DuPont et al. 2008). Recolonization of unoccupied habitats is necessary for recovery in this core area (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1160207 472508.2
Coeur d'Alene River Basin—None	Medicine Creek	ID	Occupied based on annual spawning surveys (Hardy et al. 2008).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1151488 470283
Coeur d'Alene River Basin—None	Mill Creek	ID	Juvenile bull trout documented during surveys (Grunder 2009).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1152263 469969
Coeur d'Alene River Basin—None	Mosquito Creek	ID	Bull trout have not been documented, but habitat is connected and has been identified as suitable for bull trout SR (Lider pers. comm. 2009). Recolonization of unoccupied habitats is necessary for recovery in this core area (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1162445 480182
Coeur d'Alene River Basin—None	My Creek	ID	Bull trout documented during survey (Hawdon in litt. 2008).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1153756 469712
Coeur d'Alene River Basin—None	North Fork Bean Creek	ID	Juvenile bull trout documented during surveys (Grunder 2009).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1152338 470048
Coeur d'Alene River Basin—None	North Fork Coeur d'Alene River	ID	Numerous bull trout have been documented in the recent past between the S. Fork Coeur d'Alene River and Tepee Creek (USFS 1998b).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1162568 475575.1
Coeur d'Alene River Basin—None	North Fork Coeur d'Alene River	ID	Numerous bull trout have been documented in the recent past between the S. Fork Coeur d'Alene River and Tepee Creek (USFS 1998b).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1162568 475575.2
Coeur d'Alene River Basin—None	North Fork Coeur d'Alene River	ID	Numerous bull trout have been documented in the recent past between the S. Fork Coeur d'Alene River and Tepee Creek (USFS 1998b).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1162568 475575
Coeur d'Alene River Basin—None	North Grizzly Creek	ID	Bull trout have not been documented, but habitat is connected and has been identified as suitable for bull trout SR (Lider pers. comm. 2009). Recolonization of unoccupied habitats is necessary for recovery in this core area (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1160530 477528
Coeur d'Alene River Basin—None	Prichard Creek	ID	Bull trout documented in the recent past (USFS 1998b).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1159756 476578
Coeur d'Alene River Basin—None	Quartz Creek	ID	A bull trout redd was documented just upstream in Entente Creek (Hardy et al. 2008).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1155163 472012
Coeur d'Alene River Basin—None	Red Ives Creek	ID	Occupied based on annual spawning surveys (Hardy et al. 2008).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1153512 470557

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CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Coeur d'Alene River Basin—None	Ruby Creek	ID	Occupied based on annual spawning surveys (Hardy et al. 2008).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1153669 469830
Coeur d'Alene River Basin—None	Sentinel Creek	ID	Bull trout have not been documented, but habitat is connected and has been identified as suitable for bull trout SR (Lider pers. comm. 2009). Recolonization of unoccupied habitats is necessary for recovery in this core area (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1160004 478609
Coeur d'Alene River Basin—None	Sherlock Creek	ID	Occupied based on annual spawning surveys (Hardy et al. 2008).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1152180 470636
Coeur d'Alene River Basin—None	Shoshone Creek	ID	Bull trout have not been documented, but habitat is connected and has been identified as suitable for bull trout SR (Lider pers. comm. 2009). Recolonization of unoccupied habitats is necessary for recovery in this core area (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1159713 477026.1
Coeur d'Alene River Basin—None	Shoshone Creek	ID	Bull trout have not been documented, but were documented upstream in Falls Creek in the 1990s (USFS 1998b). Would serve as a migratory corridor for future recovery of local populations upstream, and has been identified as necessary for recovery (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1159713 477026.2
Coeur d'Alene River Basin—None	Simmons Creek	ID	Occupied based on annual spawning surveys (Hardy et al. 2008).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1154001 471373
Coeur d'Alene River Basin—None	Spruce Creek	ID	Bull trout have not been documented, but habitat is connected and has been identified as suitable for bull trout SR (Lider pers. comm. 2009). Recolonization of unoccupied habitats is necessary for recovery in this core area (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1162251 479824
Coeur d'Alene River Basin—None	St. Joe River	ID	Seasonal use (migration) based on redd surveys upstream (Hardy et al. 2008).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1168011 474569.1
Coeur d'Alene River Basin—None	St. Joe River	ID	Occupied based on annual spawning surveys (Hardy et al. 2008).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1168011 474569.2
Coeur d'Alene River Basin—None	Steamboat Creek	ID	Bull trout have not been documented, but habitat is connected and has been identified as suitable for bull trout SR (Lider pers. comm. 2009). Recolonization of unoccupied habitats is necessary for recovery in this core area (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1161537 476618

CHU—CHSU	Water Body Name	State	Information Documenting Bull Trout Occupancy	Essential Habitat Rationale	LLID
Coeur d'Alene River Basin—None	Tepee Creek	ID	Bull trout have not been documented, but habitat is connected and would serve as a migratory corridor for future recovery of local populations upstream and identified as necessary for recovery (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1161317 478805.1
Coeur d'Alene River Basin—None	Tepee Creek	ID	Bull trout have not been documented, but habitat is connected and has been identified as suitable for bull trout SR (Lider pers. comm. 2009). Recolonization of unoccupied habitats is necessary for recovery in this core area (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1161317 478805.2
Coeur d'Alene River Basin—None	Timber Creek	ID	Bull trout documented during survey (L. Hawdon in litt. 2008), and during redd surveys in 1994 (Hardy et al. 2008).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1153684 470180
Coeur d'Alene River Basin—None	Tinear Creek	ID	Juvenile bull trout documented during surveys (Grunder 2009).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1152297 470024
Coeur d'Alene River Basin—None	Ulm Creek	ID	Bull trout have not been documented, but habitat is connected and has been identified as suitable for bull trout SR (Lider pers. comm. 2009). Recolonization of unoccupied habitats is necessary for recovery in this core area (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1160004 478610
Coeur d'Alene River Basin—None	West Fork Downey Creek	ID	Historically present downstream, but not documented in recent surveys. Habitat is connected and has been identified as suitable for bull trout SR (Lider pers. comm. 2009). Recolonization of unoccupied habitats is necessary for recovery in this core area (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1160739 477457
Coeur d'Alene River Basin—None	West Fork Eagle Creek	ID	Historically present, but not documented in recent surveys. Habitat is connected and has been identified as suitable for bull trout SR (Lider pers. comm. 2009). Recolonization of unoccupied habitats is necessary for recovery in this core area (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1159033 476522
Coeur d'Alene River Basin—None	West Fork Steamboat Creek	ID	Bull trout have not been documented, but habitat is connected and has been identified as suitable for bull trout SR (Lider pers. comm. 2009). Recolonization of unoccupied habitats is necessary for recovery in this core area (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1161988 477162
Coeur d'Alene River Basin—None	Wisdom Creek	ID	Occupied based on annual spawning surveys (Hardy et al. 2008).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1151329 470090
Coeur d'Alene River Basin—None	Yankee Bar Creek	ID	Occupied based on annual spawning surveys (Hardy et al. 2008).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1151912 470490

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
Coeur d'Alene River Basin—None	Yellow Dog Creek	ID	Historically present, but not documented in recent surveys. Habitat is connected and has been identified as suitable for bull trout SR (Lider pers. comm. 2009). Recolonization of unoccupied habitats is necessary for recovery in this core area (Service 2002a).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1160487 477763
Coeur d'Alene River Basin—None	Coeur d'Alene Lake	ID	Subadult and adult bull trout occupy Coeur d'Alene Lake for FMO (PBTAT 1998c).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1168026 475480
Coeur d'Alene River Basin—None	South End Coeur d'Alene Lake	ID	Subadult and adult bull trout occupy Coeur d'Alene Lake for FMO (PBTAT 1998c).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1167366 473652
Coeur d'Alene River Basin—None	South End Coeur d'Alene Lake	ID	Subadult and adult bull trout occupy Coeur d'Alene Lake for FMO (PBTAT 1998c).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1166877 473438
Coeur d'Alene River Basin—None	South End Coeur d'Alene Lake	ID	Subadult and adult bull trout occupy Coeur d'Alene Lake for FMO (PBTAT 1998c).	Rationale provided in Coeur d'Alene River Basin CHU justification text	1166895 473669