

Lewis River Priority Sties: Definitions

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| Reach Name: 2007 EDT river segment name with corrections |
| Location: 2007 EDT upper and lower bounds of river segment |
| Salmon Recovery Plan Tier: Reach Tier designations (1 through 4) are used to set priorities for habitat protection and restoration actions, and are based on population recovery classification (Primary, Contributing or Stabilizing) as identified in the Recovery Plan, and the EDT-derived reach potential for each species (high, medium, or low), which reflects the importance of a reach to the performance of each population. (Lower Columbia River Fish Recovery Board Reach Tier Designations) |
| LCFRB Restoration Potential (%): The restoration potential reflects percent change in overall population performance due to hypothetical restoration of habitat conditions within a particular reach to template (e.g, fully functioning) conditions. |
| Length of habitat (miles) ¹ : reach length based on the EDT analysis. Reach length is applicable to all species. |
| Species Present: All Species documented as occurring within a reach. Not all taxa are listed - just those known to be present. |
| Life History Use: refers to the specific life stages (e.g., egg incubation, fry cognization, rearing, migrant, etc.) of a species that would use a particular reach. |
| Limiting Factor Reach Rank: This refers to the relative ranking of primary factors affecting the overall performance of a population. |
| EDT Limiting Factor: This refers to the primary factors affecting the overall performance of a population based on EDT analysis |
| Cumulative Limiting Factor Rank: This refers to the relative ranking of reaches based on cumulative SRP values summed across all species utilizing that reach. |

Add source eventually

1- Taken directly from EDTand is applicable to all species.

Phase 1 = mainstem and tributaries upstream of Swift Dam

| Reach Name | Location | Salmon Recovery Plan Tier | LCFRB Restoration Potential (%) | Length of habitat (miles) ¹ | Primary Species Present | Spring Chinook | | | Steelhead | | | Coho | | | Cumulative Limiting Factor Rank |
|------------------------|--|---------------------------|---------------------------------|--|---|---------------------------------------|----------------------------|--------------------------|---------------------------------------|----------------------------|--------------------------|---------------------------------------|----------------------------|--------------------------|---------------------------------|
| | | | | | | Life History Use | Limiting Factor Reach Rank | EDT Restoration Priority | Life History Use | Limiting Factor Reach Rank | EDT Restoration Priority | Life History Use | Limiting Factor Reach Rank | EDT Restoration Priority | |
| Swift Campground Creek | Upper Lewis: Reservoir to RM 0.3 | 3 | 50 | 1.2 | Coho, Cutthroat | | 2 Sediment Load | 0.611 | Holding, rearing, migration | Not Ranked | 0.05 | Rearing, migration | Not Ranked | 0.08 | <u>6</u> |
| Clearwater Creek | Upper Lewis: Mouth to RM 8.7 | 2 | 57 | 8.7 | Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring Chinook, steelhead | Spawning, rearing, migration | 21 Temperature | 0.369 | Holding, rearing, migration | Not Ranked | 0.013 | Rearing, migration | Not Ranked | 0.036 | <u>9</u> |
| Crab Creek | Upper Lewis: Mouth to 0.4 | 2 | 42 | 0.4 | Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring Chinook, Steelhead | Spawning, rearing, migration | 29 Key Habitat | 0.29 | Spawning, rearing, migration | 37 Key Habitat | 0.096 | Spawning, rearing, migration | 11 Key Habitat | 0.258 | <u>7</u> |
| Clearwater Tribs. | Upper Lewis: Small Tribs to Clearwater Creek | 3 | 49 | 0.8 | Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring Chinook, steelhead | | Not Ranked | 0.067 | Holding, Spawning, rearing, migration | 47 Sediment Load | 0.06 | Holding, Spawning, rearing, migration | 31 Sediment Load | 0.085 | <u>14</u> |
| Spencer Creek | Upper Lewis: Mouth to RM 0.4 | 2 | 25 | 0.6 | Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring Chinook, steelhead | | Not Ranked | 0.019 | Spawning, rearing, migration | 38 Key Habitat | 0 | Spawning, rearing, migration | Not Ranked | 0 | <u>20</u> |
| Lewis 21 | Upper Lewis: Rush Creek to Little Creek | 2 | 45 | 1 | Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring Chinook, steelhead | Spawning, rearing, migration | 11 Key Habitat | 0.017 | Rearing, migration | Not Ranked | 0.0015 | Holding, rearing, migration | 19 Key Habitat | 0.0018 | <u>19</u> |
| Lewis 18 | Upper Lewis: Head of Swift Reservoir to Pine Creek | 1 | 52 | 0.7 | Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring Chinook, steelhead | Holding, rearing, migration | 1 Key Habitat | 0.0124 | Rearing, migration | 11 Food Index | 0.004 | Rearing, migration | 1 Key Habitat | 0.0216 | <u>17</u> |
| Lewis 19 | Upper Lewis: Pine Creek to Muddy River | 1 | 35 | 0.5 | Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring Chinook, steelhead | Holding, rearing, migration | 7 Food Index | 0.0122 | Rearing, migration | 6 Food Index | 0.005 | Holding, rearing, migration | 5 Key Habitat | 0.004 | <u>18</u> |
| Muddy R1A | Upper Lewis: Clear Creek to Clearwater Creek | 2 | 64 | 4.4 | Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring Chinook, steelhead | Spawning, holding, rearing, migration | 8 Key Habitat | 0 | Rearing, migration | Not Ranked | 0.086 | Rearing, migration | Not Ranked | 0 | <u>16</u> |
| Muddy R1 | Upper Lewis: Mouth to Clear Creek | 2 | 55 | 4.4 | Rainbow, Cutthroat, Coho | Spawning, holding, rearing, migration | 6 Sediment Load | 0 | Rearing, migration | 45 Food Index | 0.177 | Rearing, migration | Not Ranked | 0.076 | <u>12</u> |
| Little Creek | Upper Lewis: Mouth to RM 1.0 | 3 | 51 | 1 | Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring Chinook, steelhead | Spawning, rearing, migration | 27 Key Habitat | 0 | Holding, rearing, migration | 50 Habitat Diversity | 0.078 | Rearing, migration | Not Ranked | 0.124 | <u>15</u> |

Phase 1 = mainstem and tributaries downstream of Merwin Dam

| Reach Name | Location | Salmon Recovery Plan Tier | LCFRB Restoration Potential (%) | Length of habitat (miles) ¹ | Primary Species Present | Spring Chinook | | | Steelhead | | | Coho | | | Cumulative Limiting Factor Rank |
|-----------------|---|---------------------------------|--|---|---|------------------------------------|----------------------------------|--------------------------------|------------------------------------|----------------------------------|--------------------------------|------------------------------------|----------------------------------|--------------------------------|---------------------------------------|
| | | | | | | Life History Use | Limiting Factor Reach Rank | EDT Restoration Priority | Life History Use | Limiting Factor Reach Rank | EDT Restoration Priority | Life History Use | Limiting Factor Reach Rank | EDT Restoration Priority | |
| Lewis 2 Tidal B | Lower Lewis: LB Trib 1 to LB Trib 2 | 4 | 36 | 1.5 | Coho, Chum, Fall Chinook, cutthroat, steelhead | | Not Ranked | 0.567 | Rearing, Migration, Holding | 3 | 0.437 | Rearing, Migration | Not Ranked | 0.493 | 2 |
| Lewis 1 Tidal A | Lower Lewis: Mouth to Allen Creek | 4 | 61 | 1.9 | Coho, Chum, Fall Chinook, cutthroat, steelhead | | Not Ranked | 0.384 | Rearing, Migration, Holding | 8 Habitat Diversity | 0.414 | Rearing, Migration, Holding | 38 Habitat Diversity | 0.062 | 5 |
| Lewis 2 Tidal D | Lower Lewis: LB Trib 3 to Robinson Cr | 2 | 32 | 0.9 | Coho, Chum, Fall Chinook, cutthroat, steelhead | | 24 Predation | 0.319 | Rearing, Migration | Not Ranked | 0.255 | Rearing, Migration | 5 Predation | 0.542 | 4 |
| Lewis 4 C | Lower Lewis: Staples Cr to Houghton Cr | 1 | 42 | 0.46 | Coho, Chum, Fall Chinook, cutthroat, steelhead | | 25 Key Habitat | 0.318 | Rearing, Migration, Holding | 2 Habitat Diversity | 0.545 | Spawning, Rearing, Migration | Not Ranked | 0.767 | 1 |
| Lewis 4 A | Lower Lewis: Ross Cr to Hayes Cr | 1 | 36 | 2.2 | Coho, Chum, Fall Chinook, cutthroat, steelhead | | 26 Key Habitat | 0.317 | Rearing, Migration, Holding | 24 Habitat Diversity | 0.157 | Spawning, Rearing, Migration | Not Ranked | 0.153 | 8 |
| Muddy R3 | Lower Lewis: Smith Creek to RM 13.8 | 4 | 43 | 3.5 | Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring Chinook, steelhead | Spawning, rearing, migration | 53 Temperature | 0.298 | Rearing, migration | Not Ranked | 0.05 | Spawning, rearing, migration | Not Ranked | 0 | 10 |
| Lewis 3 | Lower Lewis: Robinson Cr to Ross Cr | 1 | 53 | 1 | Coho, Chum, Fall Chinook, cutthroat, steelhead | | 30 Key Habitat | 0.289 | Rearing, Migration | 1 Habitat Diversity | 0.591 | Spawning, Rearing, Migration | Not Ranked | 0.428 | 3 |
| Ross Cr 1 E | Lower Lewis: Bearwaller Falls to end of '04 reach | 4 | 67 | 0.85 | Coho, Chum, Fall Chinook, cutthroat | | Not Ranked | | Rearing, Migration | Not Ranked | | Rearing, Migration | Not Ranked | | 22 |
| John Creek 1 | Lower Lewis: Mouth to Top of '04 reach | 4 | 41 | 1.1 | Coho, Chum, Fall Chinook, cutthroat, steelhead | | Not Ranked | | Spawning, rearing, migration | Not Ranked | | Spawning, Rearing, Migration | Not Ranked | | 23 |
| Cedar Creek 1 B | Lower Lewis: LB Trib 1 to Grist Mill | 2 | 59 | 0.9 | Coho, Chum, Fall Chinook, Steelhead, Cutthroat | | Not Ranked | | Rearing, migration | Not Ranked | | Rearing, migration | Not Ranked | | 24 |
| Cedar Creek 1 C | Lower Lewis: Grist Mill to Pup Creek | 2 | 64 | 1.9 | Coho, Chum, Fall Chinook, Steelhead, Cutthroat | | Not Ranked | | Rearing, migration | Not Ranked | | Rearing, migration | Not Ranked | | 25 |
| Cedar Creek 2 C | Lower Lewis: Beaver Cr. to RB Trib 1 | 3 | 75 | 0.7 | Coho, Chum, Fall Chinook, Steelhead, Cutthroat | | Not Ranked | | Rearing, migration | Not Ranked | | Rearing, migration | Not Ranked | | 26 |
| Cedar Creek 5 | Lower Lewis: Bitter Cr to Chelatchie Cr | 2 | 63 | 0.6 | Coho, Chum, Fall Chinook, Steelhead, Cutthroat | | Not Ranked | | Rearing, migration | Not Ranked | | Rearing, migration | Not Ranked | | 27 |
| Cedar Creek 6 B | Lower Lewis: LB Trib 3 to RB Trib 2 | 3 | 74 | 1.7 | Coho, Chum, Fall Chinook, Steelhead, Cutthroat | | Not Ranked | | Rearing, migration | Not Ranked | | Rearing, migration | Not Ranked | | 28 |
| Cedar Creek 6 C | Lower Lewis: RB trib 2 to RB Trib 3 | 4 | 56 | 0.72 | Coho, Chum, Fall Chinook, Steelhead, Cutthroat | | Not Ranked | | Rearing, migration | Not Ranked | | Rearing, migration | Not Ranked | | 29 |

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|---------------|---|--|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Cedar Creek 1 | | | | | | | | | | | | | | | | | | | | |
| B | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | |
| | *a low reach priority number doesn't necessarily mean the habitat is good and needs little restoration. Species Reach Potential (SRP) refers to the contribution of a reach to population performance using EDT results assessing the changes in the reach's potential, abundance, productivity and diversity values for a specific population. | | | | | | | | | | | | | | | | | | | |
| | Yellow | denotes bull trout habitat | | | | | | | | | | | | | | | | | | |
| | Gray | denotes reaches downstream of Merwin dam | | | | | | | | | | | | | | | | | | |