

AKSSF Habitat, Protection, and Restoration (HP&R)

Projects that restore ecosystem characteristics and processes and address priority factors that are limiting salmonid production. There are 10 different types of habitat projects: Fish Screening, Fish passage, Instream Flow, Instream Habitat, Riparian Habitat, Upland Habitat, Water Quality, Wetland, Estuarine, and Land Acquisition/Easements/Leases.

Project Number:

Project Name:

PI Name:

Please check whether this is preliminary or final metric.

___ Preliminary

___ Final

1. Please describe the monitoring type:

2. List the length of stream section treated (miles to .01 miles).

Please identify what type(s) of HP&R work this project undertakes and fill in all associated information.

3. ___ Instream

a. ___ Fish Screening

i. Number of screen(s) installed: ___

ii. The flow rate of water diverted (cfs): ___

iii. Quantity of water protected by screen (duty): ___
(acre-feet/year)

b. ___ Instream Habitat

i. The number of miles of streambank stabilization treatment: ___
(miles to .01 miles)

ii. Length of instream habitat treated, except for bank stabilization: ___
(miles to .01 miles)

c. ___ Instream Flow

i. Amount of water returned to the stream (cfs): ___

ii. The start date of the return flow: ___

iii. The end of the return flow: ___

iv. Number of water flow gauges installed: ___

v. Volume of water leased or purchased (acre feet): ___

d. ___ Fish Passage Improvement

i. Number of fish passage blockages removed or improved: ___

ii. Length of stream made accessible by the removal of barriers other than culverts (miles to .01 miles): ___

iii. Length of stream made accessible for passage of salmon species by the improvement or removal of culverts (miles to .01 miles): ___

4. ___ Riparian Habitat
 - a. Length of riparian stream bank treated (miles to .01 miles): ___
 - b. Amount of riparian area treated except for invasive species treatment (acres): ___
 - c. Amount of riparian area treated for invasive plant species (acres): ___
5. ___ Upland Habitat
 - a. Amount of upland habitat area treated (acres): ___
 - b. Length of road treated (miles to .01 miles): ___
6. ___ Water Quality
7. ___ Wetland
 - a. Amount of wetland area treated (acres): ___
 - b. Amount of artificial wetland area created (acres): ___
 - c. Amount of wetland area of invasive species treated (acres): ___
8. ___ Estuarine
 - a. Acres of estuary treated: ___
 Note: Include creation of estuarine wetland (acres)
 - b. Acres of artificial estuary created from an area not formerly saline (acres): ___
 - c. Acres of invasive species treated in an estuary. A treatment may only be for a portion of an estuary such as removal of Spartina. ___
9. ___ Land Acquisition/Easements/Leases
 - a. Amount of land, wetland, or estuarine area protected with acquisition/easement/lease: ___
 - b. Length of stream bank protected through land acquisition/easement/lease: ___

Please only fill in the "actual" data if the project is complete.

Please check which of the following limiting factors are included in your project:

10. ___ Biological processes
11. ___ Channel conditions
12. ___ Estuarine and near-shore habitat
13. ___ Exotic species
14. ___ Fire regime
15. ___ Floodplain conditions
16. ___ Irrigation diversions – screens
17. ___ Lake habitat
18. ___ Loss of access to spawning and rearing habitat
19. ___ Predator/competitor interactions
20. ___ Riparian conditions
21. ___ Streambed sediment conditions
22. ___ Temperature
23. ___ Trophic interactions
24. ___ Water quality
25. ___ Water quality (toxics)
26. ___ Water quantity

Please only fill in the "actual" data if the project is complete.

Please check which of the treatment types are included in your project:

27. ___ Culvert/bridge/corrugated pipe removal
28. ___ Culverts/structures removed and not replaced
29. ___ Culverts/structures replaced with bridge

PCSRF HP&R Metrics

Date Entered:

GA Initials:

30. ___ Culverts/structures replaced with culverts embedded or flat
31. ___ Culverts/structured replaced with open bottom arch culverts
32. ___ Culverts/structures replaced with weir/baffle culverts
33. ___ Culverts/structures retrofitted with baffles or weirs
34. ___ Fish barrier removal
35. ___ Install fish passage structure
36. ___ Other: land acquisition
37. ___ Permanent removal of pushup dam
38. ___ Reduce access to side channels
39. ___ Removal of stream crossings
40. ___ Remove/replace culvert
41. ___ Small dam removal
42. ___ Upgrade culverts/bridges
43. ___ Anchored habitat structures
44. ___ Bank stabilization
45. ___ Boulders
46. ___ Boulders placed in stream
47. ___ Brush bundles
48. ___ Carcass placement
49. ___ Channel connectivity
50. ___ Channel reconfiguration
51. ___ Concrete weir construction
52. ___ Dam repair
53. ___ Deflectors/barbs
54. ___ Engineered structures
55. ___ Fish barrier removal
56. ___ Fish ladder improvements
57. ___ Fish screens
58. ___ Floodplain connectivity
59. ___ Install sediment-trap dam
60. ___ Log control (weir)
61. ___ Maintenance of previously installed structures
62. ___ Off-channel habitat
63. ___ Off-channel habitat wetland
64. ___ Off-channel ponds
65. ___ Other: land acquisition
66. ___ Other instream treatment
67. ___ Other stabilization treatment
68. ___ Permanent removal of pushup dam
69. ___ Plant removal/control
70. ___ Pool created using scour structure
71. ___ Pools created
72. ___ Reslope streambank
73. ___ Rock control (weir)
74. ___ Rock gabions
75. ___ Roughened channel

- 76. ___ Sediment removal
- 77. ___ Signage
- 78. ___ Site maintenance
- 79. ___ Spawning gravel placement
- 80. ___ Stream channels
- 81. ___ Weir installed (unknown type, not below culvert)
- 82. ___ Weirs/grade control
- 83. ___ Woody debris placement
- 84. ___ Bacteria
- 85. ___ Dissolved oxygen
- 86. ___ Heavy metals
- 87. ___ Nutrients
- 88. ___ Other: land acquisition
- 89. ___ Pesticides
- 90. ___ Phosphorus
- 91. ___ Temperature
- 92. ___ Turbidity
- 93. ___ pH