



Geomorphic cluster: deviation from bankfull 1, channel condition 3 (aggradation criterion), hydrologic alteration 10, bank stability 10

Fisheries cluster: pool status 7, instream fish cover 3, riparian zone 10, canopy 1

Water quality cluster: water appearance 10, nutrient enrichment 10

Invertebrate cluster: invertebrate habitat 7

SVAP Aggregate score: 72/11 items scored = 6.5 (fair)

key impacts: geomorphic, fisheries

Problem Reach 1.9 Example of an over wide reach, aggrading on a Rosgen F4 stream during extreme low flow conditions. Dominant substrate is coarse gravel.



Geomorphic cluster: deviation from bankfull 1, channel condition 3 (aggradation criterion), hydrologic alteration 3, bank stability 10

Fisheries cluster: pool status 7, instream fish cover 3, riparian zone 10, canopy 1

Water quality cluster: water appearance 10, nutrient enrichment 10

Invertebrate cluster: invertebrate habitat 7

SVAP Aggregate score: 65/11 items scored = 5.9 (poor)

key impacts: geomorphic, fisheries

Problem Reach 2.0 Example of an incised over wide reach, with mid channel deposition on a Rosgen F4 stream reach during extreme low flow conditions. Dominant substrate is coarse gravel.



Geomorphic cluster: deviation from bankfull 3, channel condition 7, hydrologic alteration 7 (limited incision) , bank stability 10

Fisheries cluster: pool status 7, instream fish cover 3, riparian zone 1, canopy 1

Water quality cluster: water appearance 10, nutrient enrichment 10,

Invertebrate cluster: invertebrate habitat 7

SVAP Aggregate score: 66/11 items scored = 6.6 (fair)

key impacts: geomorphic, fisheries

Problem Reach 2.1 Example of poor riparian zone (right foreground), fair riparian zone (right background), and optimal riparian zone (left bank) on an over straight Rosgen B4 stream. Note channel response with reduction in vegetation, it widens!



Geomorphic cluster: deviation from bankfull 1, channel condition 1, hydrologic alteration 3, bank stability 1

Fisheries cluster: pool status 3, instream fish cover 1, riparian zone 1, canopy 1

Water quality cluster: water appearance 10, nutrient enrichment 10

Invertebrate cluster: invertebrate habitat 7

SVAP Aggregate score: 37/11 items scored = 3.4 (poor)

key impacts: geomorphic, fisheries

Problem Reach 2.2 Example of a poor riparian vegetation with an eroded high bank below flood deposited LWD & cobble. Channel is an over wide and incised Rosgen B3 stream reach



Geomorphic cluster: deviation from bankfull 1, channel condition 1 (active downcutting & widening), hydrologic alteration 1, bank stability 3

Fisheries cluster: pool status 3, instream fish cover 3, riparian zone 1, canopy 1

Water quality cluster: water appearance 10, nutrient enrichment 10

Invertebrate cluster: invertebrate habitat 7

SVAP Aggregate score: 40/11 items scored = 3.6 (poor)

key impacts: geomorphic, fisheries

Problem Reach 2.3 Example of an actively incising, bermed over wide reach on a Rosgen B4 stream during extreme low flow conditions. Dominant substrate is coarse gravel.



Geomorphic cluster: deviation from bankfull 10, channel condition 3, hydrologic alteration 1, bank stability 3

Fisheries cluster: pool status 3, instream fish cover 3, riparian zone 1, canopy 1

Water quality cluster: water appearance 10, nutrient enrichment 10

Invertebrate cluster: invertebrate habitat 7

SVAP Aggregate score: 52/11 items scored = 4.7 (poor)

key impacts: geomorphic, fisheries

Problem Reach 2.4 Example of a bermed reach with poor riparian zone, Rosgen F3 stream. Dominant substrate is cobble.



Geomorphic cluster: deviation from bankfull 1, channel condition 1, hydrologic alteration 3, bank stability 1

Fisheries cluster: pool status 1, instream fish cover 1, riparian zone 10, canopy 1

Water quality cluster: water appearance 10, nutrient enrichment 10

Invertebrate cluster: invertebrate habitat 3

SVAP Aggregate score: 42/11 items scored = 3.8 (fair)

key impacts: geomorphic, fisheries, invertebrate

Problem Reach 2.5 Example of an over wide reach, aggrading, with pool loss, actively eroding bank, and overly large unvegetated point bar on a Rosgen C4 stream during low flow conditions. Dominant substrate is medium gravel.



Geomorphic cluster: deviation from bankfull 3, channel condition 7. hydrologic alteration 1, bank stability 1

Fisheries cluster: pool status 1, instream fish cover 1, riparian zone 1, canopy 1

Water quality cluster: water appearance 10, nutrient enrichment 10

Invertebrate cluster: invertebrate habitat 1

SVAP Aggregate score: 31/11 items scored = 2.8 (poor)

key impacts: geomorphic, fisheries, invertebrate

Problem Reach 2.6 Example of an, active erosion on outer bank of tributary due to lack of vegetation & gravel mining on an overwide Rosgen C4 stream reach. Note large levee on right.