| Watershed | LF | Rank | Current and Future Risk |
| --- | --- | --- | --- |
| Sand | LF4: Mortality or fitness reduction as a result of disease, parasites, or pathogens | 1 | HPDG |
| Sand | LF10: Mortality or fitness reduction of wild fish due to competition with hatchery fish or aquaculture escapees for spawning locations or mates | 1 | HPDG |
| Sand | LF13: Mortality or fitness reduction as a result of poor pH levels | 1 | HPDG |
| Sand | LF14: Mortality or fitness reduction as a result of changes to salinity | 1 | HPDG |
| Sand | LF15: Mortality or fitness reduction due to deleterious substances | 1 | HPDG |
| Sand | LF20: Mortality or fitness reduction due to redd overspawn | 1 | HPDG |
| Sand | LF25: Mortality or fitness reduction due to lower quality spawning gravel | 1 | HPDG |
| Sand | LF26: Mortality or fitness reduction due to unfavourable water temperatures | 1 | HPDG |
| Sand | LF27: Mortality or fitness reduction as a result of low dissolved oxygen | 1 | HPDG |
| Sand | LF28: Mortality or fitness reduction as a result of poor pH levels | 1 | HPDG |
| Sand | LF29: Mortality or fitness reduction due to deleterious substances | 1 | HPDG |
| Sand | LF30: Mortality or fitness reduction as a result of elevated predation | 1 | HPDG |
| Sand | LF33: Mortality or fitness reduction as a result of disease, parasites, or pathogens | 1 | HPDG |
| Sand | LF35: Mortality or fitness reduction as a result of lack of access to appropriate food | 1 | HPDG |
| Sand | LF36: Mortality or fitness reduction as a result of decreased quality of rearing habitat | 1 | HPDG |
| Sand | LF37: Mortality or fitness reduction as a result of decreased quantity of rearing habitat | 1 | HPDG |
| Sand | LF38: Mortality or fitness reduction as a result of decreased access to or quality of floodplain habitat | 1 | HPDG |
| Sand | LF40: Mortality or fitness reduction due to frequent and higher peak flows causing flushing | 1 | HPDG |
| Sand | LF41: Mortality or fitness reduction as a result of competition with hatchery fry | 1 | HPDG |
| Sand | LF42: Mortality or fitness reduction due to unfavourable water temperatures | 1 | HPDG |
| Sand | LF43: Mortality or fitness reduction as a result of low dissolved oxygen | 1 | HPDG |
| Sand | LF44: Mortality or fitness reduction as a result of poor pH levels | 1 | HPDG |
| Sand | LF45: Mortality or fitness reduction as a result of deleterious substances | 1 | HPDG |
| Sand | LF49: Mortality or fitness reduction due to inter- and intra-specific competition | 1 | HPDG |
| Sand | LF51: Mortality or fitness reduction as a result of disease, parasites, or pathogens | 1 | HPDG |
| Sand | LF52: Mortality or fitness reduction as a result of lack of access to appropriate food | 1 | HPDG |
| Sand | LF54: Mortality or fitness reduction due to reduction in quality of beach habitat | 1 | HPDG |
| Sand | LF55: Mortality or fitness reduction due to loss in quantity of beach habitat loss | 1 | HPDG |
| Sand | LF56: Mortality or fitness reduction due to reduction in quality channel habitat | 1 | HPDG |
| Sand | LF57: Mortality or fitness reduction due to reduction in quantity channel habitat | 1 | HPDG |
| Sand | LF58: Mortality or fitness reduction due to reduction in quality of vegetation habitat | 1 | HPDG |
| Sand | LF59: Mortality or fitness reduction due to reduction in quantity of vegetation habitat | 1 | HPDG |
| Sand | LF60: Mortality or fitness reduction due to competition with hatchery fish | 1 | HPDG |
| Sand | LF61: Mortality or fitness reduction due to unfavourable water temperatures | 1 | HPDG |
| Sand | LF62: Mortality or fitness reduction as a result of low dissolved oxygen | 1 | HPDG |
| Sand | LF63: Mortality or fitness reduction as a result of poor pH levels | 1 | HPDG |
| Sand | LF64: Mortality or fitness reduction due to increases in salinity | 1 | HPDG |
| Sand | LF65: Mortality or fitness reduction due to deleterious substances | 1 | HPDG |
| Sand | LF67: Mortality or fitness reduction due changes in biological characteristics such as fecundity, maturation rate, sex ratios, size at age, etc | 1 | HPDG |
| Sand | LF68: Mortality or fitness reduction due to a reduction in natural (wild) genetic influence. This is measured by the stray rate (pHOSstray) into the system, or by the frequency and magnitude of direct transplanting. | 1 | HPDG |
| Sand | LF69: Mortality or fitness reduction as a result of rearing in a hatchery environment leading to maladaptation to the wild environment. This is measured in a reduction in PNI. | 1 | HPDG |
| Sand | LF70: Mortality or fitness reduction due to negative effects of small population size - including inbreeding depression and gene flow | 1 | HPDG |
| Sand | LF12: Mortality or fitness reduction as a result of low dissolved oxygen | 43 | LPDG |
| Sand | LF19: Mortality or fitness reduction due to early alevin emergence | 43 | LPDG |
| Sand | LF31: Mortality or fitness reduction due to elevated predation as a result of enhancement of predatory fish species | 43 | LPDG |
| Sand | LF46: Mortality or fitness reduction due to ingestion of microplastics in lake environments | 43 | LPDG |
| Sand | LF66: Mortality or fitness reduction due to ingestion of microplastics | 43 | LPDG |