

This problem is the result of the disruption of two important natural processes by Howard Hanson dam; sediment transport and flow regime. Flows have been manipulated by the dam to reduce large floods, but this results in an increase in medium sized gravel scouring events. The gravel is used by salmon for spawning and egg incubation as well as for the production of juvenile food (benthic invertebrates). The gravel that has moved downstream cannot be replaced due to the capture of gravel at the dam. The result is the downstream migrating sediment void shown in this "conveyor belt" diagram.

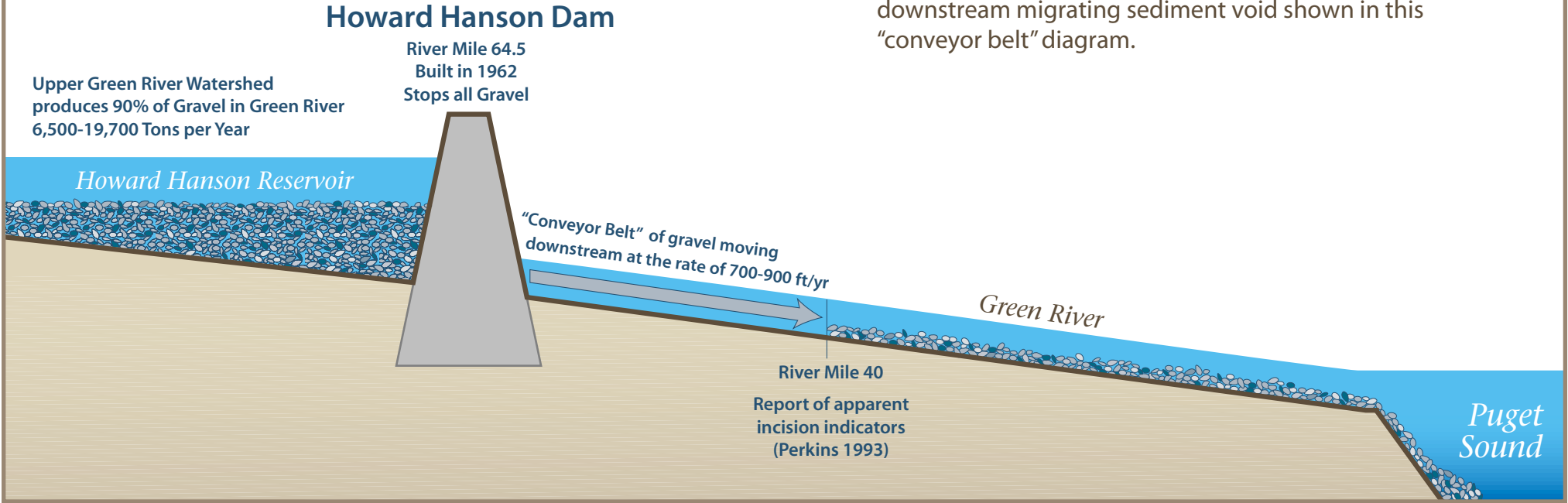


Figure SED-1

Green River Gravel "Conveyer Belt"



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