Coho salmon population performance at freshwater and estuarine life stages improves

Coho Habitat and Populations

along the Coast of Oregon

Amount and quality of coho spawning and rearing habitat increases

LONG-TERM OUTCOMES

20 + YEARS

NEAR-TERM OUTCOMES

Sediment

storage in

floodplains

increases

Floodplain

reconnected

to stream

channel

Aquatic habitat diversity, quantity, and stability increases

Supply, storage, and transport of sediments is restored to desired levels

> Flow in stream channels and natural floodplain

> > increases Distribution and abundance of offchannel habitats and cold-water refuges increases

Wood

structure within

the channels is

increased

Stream flow is sufficient to meet the needs of salmon

Spatial structure and life history diversity of coho salmon increases

Fine sediment

levels in spawn-

ing gravels is

reduced

Natural

sediment

dvnamics are

restored

Stream temperature

is reduced and

dissolved oxygen

levels increase

Streambank

shading increases

Water storage

increases

Food diversity and quantity for juvenile coho salmon increases

Estuarine habitat diversity and productivity improves

> Tidal wetland habitat area and connectivity is restored and water quality is improved

Streambank

channel stability improves

in riparian areas

Extent of riparian areas increases and composition improves

Passage

and movement

of juvenile and/or

adult coho salmon

improves

Marine derived nutrient inputs delivered by returning adult salmon in freshwater increase

Productivity of freshwater systems increases

> Productivity of emergent and submerged aquatic vegetation is restored

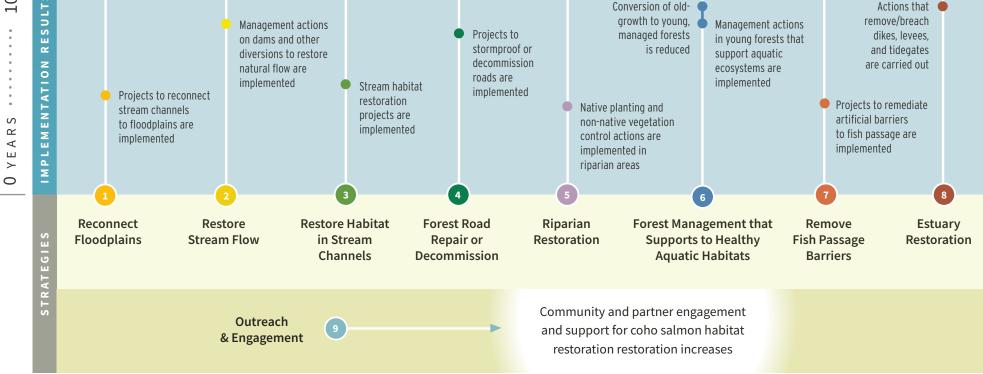
> > Estuary sediment transport, tidal flow dynamics and patterns, and salinity are restored

> > > Tidal flow is restored into historic estuary habitats

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Conversion of old-



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