

Adaptation Measures Identified at Fall 2017 Scenario Planning Workshop

<p>Future 1 Strategies Newspaper Headlines: <i>-Mud slide buries Two Sisters Bakery</i> <i>-Slash and burn vs. fillet and release conflict between agriculture and fisheries</i> <i>-Xtra Tuff business booms</i></p>	<ul style="list-style-type: none"> • Nutrient poor soils require alternative agriculture methods including permaculture and plasticulture, slash and burn • Local foods rely on fish seaweeds and mushrooms • More indoor recreation, concerns of mental health with all the rain • Enhance water export business but co-op to protect public water resource and policies • Fishy peat demand shift to fish waste nutrients and maggot farming • More local energy development including wood biomass heat and microturbine hydroelectric • Living shoreline practices to stabilize coastal erosion due to saturated soils • Use green infrastructure and rain gardens to manage downslope discharge • Importing sand to nourish the beaches
<p>Future 2 Strategies Newspaper Headlines <i>-Future for salmon uncertain</i> <i>-Highway blows out again</i> <i>-Downstream neighbor plugs culvert</i></p>	<ul style="list-style-type: none"> • Stabilize spit with increased dredging • Higher drive to use emergency mitigation methods for scour and erosion - like riprap • Educate people on the consequences of their actions, what they can and can't control • Increase shared knowledge between scientists, contractors, homeowners, and managers • Educate people about functions and values of wetlands for preservation • Educate people about where clean water comes from • Emphasize property rights and cumulative impacts of upstream neighbors • Increase industry that is water intensive look into selling/exporting water
<p>Future 3 Strategies Newspaper Headlines <i>-Sucking Us Dry: lacking groundwater recharge blamed for low salmon return, for dry wells and for economic decline</i></p>	<ul style="list-style-type: none"> • Set aside agricultural lands • Shift from natural food sources to managed food sources • Hatcheries seem more feasible politically and in terms of salmon feed • Rain gardens • Groundwater intervention would help us make decisions - increase importance to protect those areas where there is recharge happening • Desalination plants • Reclaiming riparian zones and buffer zones • Water conservation • Retention ponds instead of wells and cisterns • Pastoral economy takes advantage of grasslands with barley goats, dairy bison and honey
<p>Future 4 Strategies Newspaper Headlines <i>-Community stability? Change is the new norm</i> <i>-Flash floods symptom of larger trend</i> <i>-Groundwater loss puts new pressure on reservoir</i></p>	<ul style="list-style-type: none"> • Shift from fisheries to agrarian • More dams and reservoirs • Drier landscape - water thirsty industry could do well here • Recharge groundwater with smaller rain gardens • Changing landscape from individualistic to more communal shared resources • Communities protect assets from flash floods (roads, structures, streams, and agricultural lands)