

## APPENDIX A | STRATEGIES AND SUB-STRATEGIES NUMBERING

The 2014/2015 Action Agenda used a numbering system for strategies and sub-strategies that was based on the organization of the document by the following categories: freshwater & terrestrial, marine & nearshore, pollution, strategic leadership & collaboration, and funding strategy. The 2016 Action Agenda simplifies the organization into two categories: ecosystem strategies and institutional strategies. As a result, the numbering in the 2016 Action Agenda differs from the numbers associated with strategies and sub-strategies in the 2014/2015 Action Agenda. Table A-1 shows how the new numbers correlate with the old numbers.

*Table A-1. Crosswalk of 2014/2015 Action Agenda Numbering System and the 2016 Action Agenda Numbering for Strategies and Sub-strategies*

STRATEGIES & SUB-STRATEGIES	2014/2015 ACTION AGENDA NUMBER	2016 ACTION AGENDA NUMBER
<b>Focus land development away from ecologically important and sensitive areas</b>	<b>A1</b>	<b>1</b>
Identify and prioritize areas for protection, restoration, and best suitable for (low-impact) development	A1.1	1.1
Support local governments to adopt and implement plans, regulations, and policies consistent with protection and recovery targets, and incorporate climate change forecasts	A1.2	1.2
Improve, strengthen, and streamline implementation and enforcement of laws, plans, regulations, and permits consistent with protection and recovery targets	A1.3	1.3
Ensure full, effective compensatory mitigation for impacts that cannot be avoided	A1.4	1.4
<b>Protect and restore upland, freshwater, and riparian ecosystems</b>	<b>A2</b>	<b>2</b>
Protect and conserve ecologically important lands at risk of conversion	A2.1	2.1
Implement and maintain priority freshwater and terrestrial restoration projects	A2.2	2.2
Implement restoration projects in urban and developed areas while accommodating growth, density, and infill development	A2.3	2.3
<b>Protect and steward ecologically sensitive rural and resource lands</b>	<b>A3</b>	<b>3</b>
Use integrated market-based programs, incentives, and ecosystem markets to steward and conserve private forest and agricultural lands	A3.1	3.1
Retain economically viable working forests and farms	A3.2	3.2

STRATEGIES & SUB-STRATEGIES	2014/2015 ACTION AGENDA NUMBER	2016 ACTION AGENDA NUMBER
<b>Encourage compact regional growth patterns and create dense, attractive, mixed-use, and transit-oriented communities</b>	<b>A4</b>	<b>4</b>
Integrate growth, infrastructure, transportation, and conservation planning at subregional levels and across jurisdictions	A4.1	4.1
Provide infrastructure and incentives to accommodate new and redevelopment in urban growth areas	A4.2	4.2
Enhance and expand the benefits of living in compact communities	A4.3	4.3
<b>Protect and restore floodplain function</b>	<b>A5</b>	<b>5</b>
Improve data and information to accelerate floodplain protection, restoration, and flood hazard management	A5.1	5.1
Align policies, regulations, planning, and agency coordination to support multi-benefit floodplain management, incorporating climate change forecasts	A5.2	5.2
Protect and maintain intact and functional floodplains	A5.3	5.3
Implement and maintain priority floodplain restoration projects	A5.4	5.4
<b>Protect and recover salmon</b>	<b>A6</b>	<b>6</b>
Implement high-priority projects identified in each salmon recovery watershed's three-year work plan	A6.1	6.1
Implement high-priority salmon recovery actions identified in other parts of the Action Agenda and the <i>Biennial Science Work Plan</i>	A6.2	6.2
Implement harvest, hatchery, and adaptive management elements of salmon recovery	A6.3	6.3
Protect and recover steelhead and other imperiled salmonid species	A6.4	6.4
Maintain and enhance the community infrastructure that supports salmon recovery	A6.5	6.5
<b>Protect and conserve freshwater resources to increase and sustain water availability for instream flows</b>	<b>A7</b>	<b>7</b>
Update Puget Sound instream flow rules to encourage conservation	A7.1	7.1
Decrease the amount of water withdrawn or diverted and per capita water use	A7.2	7.2
Implement effective management programs for groundwater	A7.3	7.3
<b>Focus development away from ecologically important and sensitive nearshore areas and estuaries</b>	<b>B1</b>	<b>8</b>
Use complete, accurate and recent information in shoreline planning and decision-making at the site-specific and regional levels	B1.1	8.1
Support local governments to adopt and implement plans, regulations, and policies that protect the marine nearshore and estuaries, and incorporate climate change forecasts	B1.2	8.2

STRATEGIES & SUB-STRATEGIES	2014/2015 ACTION AGENDA NUMBER	2016 ACTION AGENDA NUMBER
Improve, strengthen, and streamline implementation and enforcement of laws, regulations, and permits that protect the marine and nearshore ecosystems and estuaries	B1.3	8.3
<b>Prevent, reduce, and control the sources of contaminants entering Puget Sound</b>	<b>C1</b>	<b>9</b>
Implement and strengthen authorities and programs to prevent toxic chemicals from entering the Puget Sound ecosystem	C1.1	9.1
Promote the development and use of safer alternatives to toxic chemicals	C1.2	9.2
Adopt and implement plans and control strategies to reduce pollutant releases into Puget Sound from air emissions	C1.3	9.3
Provide education and technical assistance to prevent and reduce releases of pollution	C1.4	9.4
Control wastewater and other sources of pollution such as oil and toxics from boats and vessels	C1.5	9.5
Increase compliance with and enforcement of environmental laws, regulations, and permits	C1.6	9.6
<b>Use a comprehensive approach to manage urban stormwater runoff at the site and landscape scales</b>	<b>C2</b>	<b>10</b>
Manage urban runoff at the basin and watershed scale	C2.1	10.1
Prevent problems from new development at the site and subdivision scale	C2.2	10.2
Fix problems caused by existing development	C2.3	10.3
Control sources of pollutants	C2.4	10.4
Provide focused stormwater-related education, training, and assistance	C2.5	10.5
<b>Prevent, reduce, and control agricultural runoff</b>	<b>C3</b>	<b>11</b>
Target voluntary and incentive-based programs that help working farms contribute to Puget Sound recovery	C3.1	11.1
Ensure compliance with regulatory programs designed to reduce, control or eliminate pollution from working farms	C3.2	11.2
<b>Prevent, reduce, and control surface runoff from forest lands</b>	<b>C4</b>	<b>12</b>
Achieve water quality standards on state and privately owned working forests through implementation of the <i>Forest and Fish Report</i>	C4.1	12.1
Maintain forest roads and implement road abandonment plans for working forest lands subject to the forest practices rules on schedule, and ensure federal forest managers meet or exceed state standards for road maintenance and abandonment on federal lands	C4.2	12.2

STRATEGIES & SUB-STRATEGIES	2014/2015 ACTION AGENDA NUMBER	2016 ACTION AGENDA NUMBER
<b>Prevent, reduce, and/or eliminate pollution from decentralized wastewater treatment systems</b>	<b>C5</b>	<b>13</b>
Effectively manage and control pollution from small onsite sewage systems	C5.1	13.1
Effectively manage and control pollution from large onsite sewage systems	C5.2	13.2
Improve and expand funding for small and local onsite sewage systems	C5.3	13.3
<b>Prevent, reduce, and/or eliminate pollution from centralized wastewater systems</b>	<b>C6</b>	<b>14</b>
Reduce the concentrations of contaminant sources of pollution conveyed to wastewater treatment plants through education and appropriate regulations, including improving pretreatment requirements	C6.1	14.1
Reduce pollution loading by preventing and reducing combined sewer overflows	C6.2	14.2
Implement priority upgrades of municipal and industrial wastewater facilities in urban and urbanizing areas and address outfalls	C6.3	14.3
Ensure all centralized wastewater treatment plants meet discharge permit limits through compliance monitoring, technical assistance, and enforcement, where needed	C6.4	14.4
Promote appropriate reclaimed water projects to reduce pollutant loading to Puget Sound	C6.5	14.5
<b>Protect and restore the native diversity and abundance of Puget Sound species, and prevent and respond to the introduction of terrestrial and aquatic invasive species</b>	<b>B5</b>	<b>15</b>
Implement species recovery plans in a coordinated way	B5.1	15.1
Create a more integrated planning approach to protect and enhance biodiversity in the Puget Sound ecosystem	B5.2	15.2
Prevent and rapidly respond to the introduction and spread of terrestrial and aquatic invasive species	B5.3	15.3
Answer key invasive species research questions and fill information gaps	B5.4	15.4
<b>Protect and restore nearshore and estuary ecosystems</b>	<b>B2</b>	<b>16</b>
Permanently protect priority nearshore physical and ecological processes and habitat, including shorelines, migratory corridors, and vegetation, particularly in sensitive areas such as eelgrass beds and bluff-backed beaches	B2.1	16.1
Implement prioritized nearshore and estuary restoration projects and accelerate projects on public lands	B2.2	16.2
Remove armoring, and use soft armoring replacement or landward setbacks when armoring fails, needs repair, is non protective, and during redevelopment	B2.3	16.3
Implement a coordinated strategy to achieve the 2020 eelgrass recovery target	B2.4	16.4

STRATEGIES & SUB-STRATEGIES	2014/2015 ACTION AGENDA NUMBER	2016 ACTION AGENDA NUMBER
<b>Protect and restore marine ecosystems</b>	<b>B3</b>	<b>17</b>
Protect intact marine ecosystems particularly in sensitive areas and for sensitive species	B3.1	17.1
Implement and maintain priority marine restoration projects	B3.2	17.2
<b>Protect and steward working waterfronts and improve public access to Puget Sound</b>	<b>B4</b>	<b>18</b>
Use, coordinate, expand and promote financial incentives and programs for best practices at ports and in the marine industry that are protective of ecosystem health	B4.1	18.1
Increase access to and knowledge of publicly owned Puget Sound shorelines and the marine ecosystem	B4.2	18.2
<b>Ensure abundant, healthy shellfish for ecosystem health and for commercial, subsistence, and recreational harvest consistent with ecosystem protection</b>	<b>C7</b>	<b>19</b>
Improve water quality to prevent downgrade and achieve upgrades of important current tribal, commercial and recreational shellfish harvesting areas	C7.1	19.1
Restore and enhance native shellfish populations	C7.2	19.2
Ensure environmentally responsible shellfish aquaculture based on sound science	C7.3	19.3
Enhance the public's connection to shellfish and increase recreational harvest opportunities	C7.4	19.4
Answer key shellfish safety research questions and fill information gaps	C7.5	19.5
<b>Effectively prevent, plan for, and respond to oil spills</b>	<b>C8</b>	<b>20</b>
Prevent and reduce the risk of oil spills	C8.1	20.1
Strengthen and integrate spill response readiness of the state, tribes and local governments	C8.2	20.2
Respond to spills and seek restoration using the best available science and technology	C8.3	20.3
<b>Address and clean up cumulative water pollution impacts in Puget Sound</b>	<b>C9</b>	<b>21</b>
Complete total maximum daily load studies and other necessary water cleanup plans for Puget Sound to set pollution discharge limits and determine responses to water quality impairments	C9.1	21.1
Clean up contaminated sites within and near Puget Sound	C9.2	21.2
Protect and restore water quality at swimming beaches and recreational areas	C9.3	21.3
Develop and implement local and tribal pollution identification and correction programs	C9.4	21.4

STRATEGIES & SUB-STRATEGIES	2014/2015 ACTION AGENDA NUMBER	2016 ACTION AGENDA NUMBER
<b>Provide the leadership framework to guide the Puget Sound recovery effort and set action and funding priorities</b>	D1	22
Provide backbone support for the recovery effort and Management Conference	D1.1	22.1
Maintain and update the Action Agenda as the shared recovery plan	D1.2	22.2
<b>Support and build strategic, collaborative partnerships</b>	D2	23
Advance the coordination of local recovery actions through Local Integrating Organizations	D2.1	23.1
Build and maintain collaborative partnerships with tribes to identify and advance recovery actions	D2.2	23.2
<b>Implement performance management</b>	D3	24
Work collaboratively to track and report on implementation performance	D3.1	24.1
Work collaboratively to report on recovery progress	D3.2	24.2
<b>Coordinate and advance science and monitoring</b>	D4	25
Oversee strategic planning for Puget Sound recovery science	D4.1	25.1
Implement a coordinated, integrated ecosystem monitoring program	D4.2	25.2
<b>Cultivate broad-scale stewardship practices and behaviors among Puget Sound residents that benefit Puget Sound</b>	D5	26
Prioritize targeted stewardship issues, actions, and audiences based on problem severity, problem frequency, availability of and confidence in science (natural and social) behind the problem, and ability to influence change	D5.1	26.1
Develop and promote science-based targeted communications and behavior change strategies across the region	D5.2	26.2
Enable and encourage residents to take informed stewardship actions addressing infiltration, pollution reduction, habitat improvement, forest cover, soil development, critical areas, reductions in shoreline armoring, and specific actions identified in other sub-strategies	D5.3	26.3
Improve effectiveness of local and regional awareness building and behavior-change programs through vetted messages, proven strategies and outcome-based evaluation. Guide partners in use of formative research and diffusion of priority best management practices	D5.4	26.4
Enhance resources to sustain and expand effective behavior change and volunteer programs that support Action Agenda priorities and that have demonstrated, measurable outcomes	D5.5	26.5
Create a repository of market, social, and audience research to support stewardship work. Include research and data from local, state, and federal governments, nonprofit, and private sector sources. Synthesize and disseminate to partners	D5.6	26.6

STRATEGIES & SUB-STRATEGIES	2014/2015 ACTION AGENDA NUMBER	2016 ACTION AGENDA NUMBER
Review practices and issues that require solutions beyond the Puget Sound region such as automotive, manufacturing and distribution of toxins, and pharmaceutical waste management. Develop strategies and partnerships outside the Puget Sound region to address issues	D5.7	26.7
<b>Build issue awareness and understanding to increase public support and engagement in recovery actions</b>	<b>D6</b>	<b>27</b>
Implement a long-term, highly visible, coordinated public-awareness effort using the Puget Sound Starts Here brand to increase public understanding of Puget Sound’s health, status, and threats. Conduct regionally scaled communications to provide a foundation for local communications efforts. Conduct locally scaled communications to engage residents in local issues and recovery efforts	D6.1	27.1
Incorporate and expand Puget Sound-related content in diverse delivery settings (e.g., recreation, education institutions, local government, neighborhood and community groups, nonprofit organizations, businesses). Connect residents with public engagement and volunteer programs	D6.2	27.2
Incorporate Puget Sound place-based content into K-12 curricula throughout the Puget Sound region. Connect schools with technical assistance, inquiry-based learning opportunities, and community resources. Implement student service projects connected to ecosystem recovery. Link schools to organizations with structured volunteer opportunities	D6.3	27.3
Foster a long-term sense of place among Puget Sound residents. Encourage direct experiences with Puget Sound’s aquatic and terrestrial resources through recreation, informal learning, and public access sites	D6.4	27.4
Build awareness of stewardship-building efforts among elected officials, executive staff, funders, resource managers, and others with resource allocation ability. Emphasize program roles, needs, relationship with other Action Agenda strategies and program outcomes	D6.5	27.5
<b>Build social and institutional infrastructure that supports stewardship behaviors and removes barriers</b>	<b>D7</b>	<b>28</b>
Apply appropriate social science to Puget Sound recovery to increase clarity and effectiveness of targeted actions, audiences, opportunities, strategies, and evaluation metrics	D7.1	28.1
Build capacity among partner organizations to advance priority stewardship actions. Provide technical support and training to advance program effectiveness, evaluation, and support of Action Agenda priorities	D7.2	28.2
Maintain centralized capacity to sustain and enhance the regional Puget Sound Starts Here campaign	D7.3	28.3
Provide public information conduits connecting individuals to local activities, resources and decision-making processes— including cost-share programs, technical assistance, volunteer experiences and ways to engage in civic structures and processes	D7.4	28.4

STRATEGIES & SUB-STRATEGIES	2014/2015 ACTION AGENDA NUMBER	2016 ACTION AGENDA NUMBER
Enhance strategic networks and tools that support stewardship partners and outcomes; including ECO-Net, STORM, The Northwest Straits Initiative and Marine Resource Committees, tribes, municipalities not covered by stormwater permits, public agencies, funders, universities, nongovernmental organizations, and others.	D7.5	28.5
Work regionally and locally to remove implementation barriers (e.g., physical, economic, regulatory, enforcement, policy), and enable and incentivize adoption of stewardship actions	D7.6	28.6
<b>Funding Strategy</b>	<b>E1</b>	<b>29</b>
Maintain and enhance federal funding for implementation of Action Agenda priorities	E1.1	29.1
Focus federal agency budgets and national programs on Action Agenda priorities	E1.2	29.2
Maintain, enhance, and focus state funding for implementation of Action Agenda priorities	E1.3	29.3
Maintain and enhance local funding for implementation of Action Agenda priorities	E1.4	29.4
Develop opportunities for private sector and philanthropic funding for implementation of Action Agenda priorities	E1.5	29.5
Develop and implement market-based mechanisms for implementation of priorities in the Action Agenda	E1.6	29.6