

Opportunities for FMC and Place-Based Habitat Conservation Program Coordination

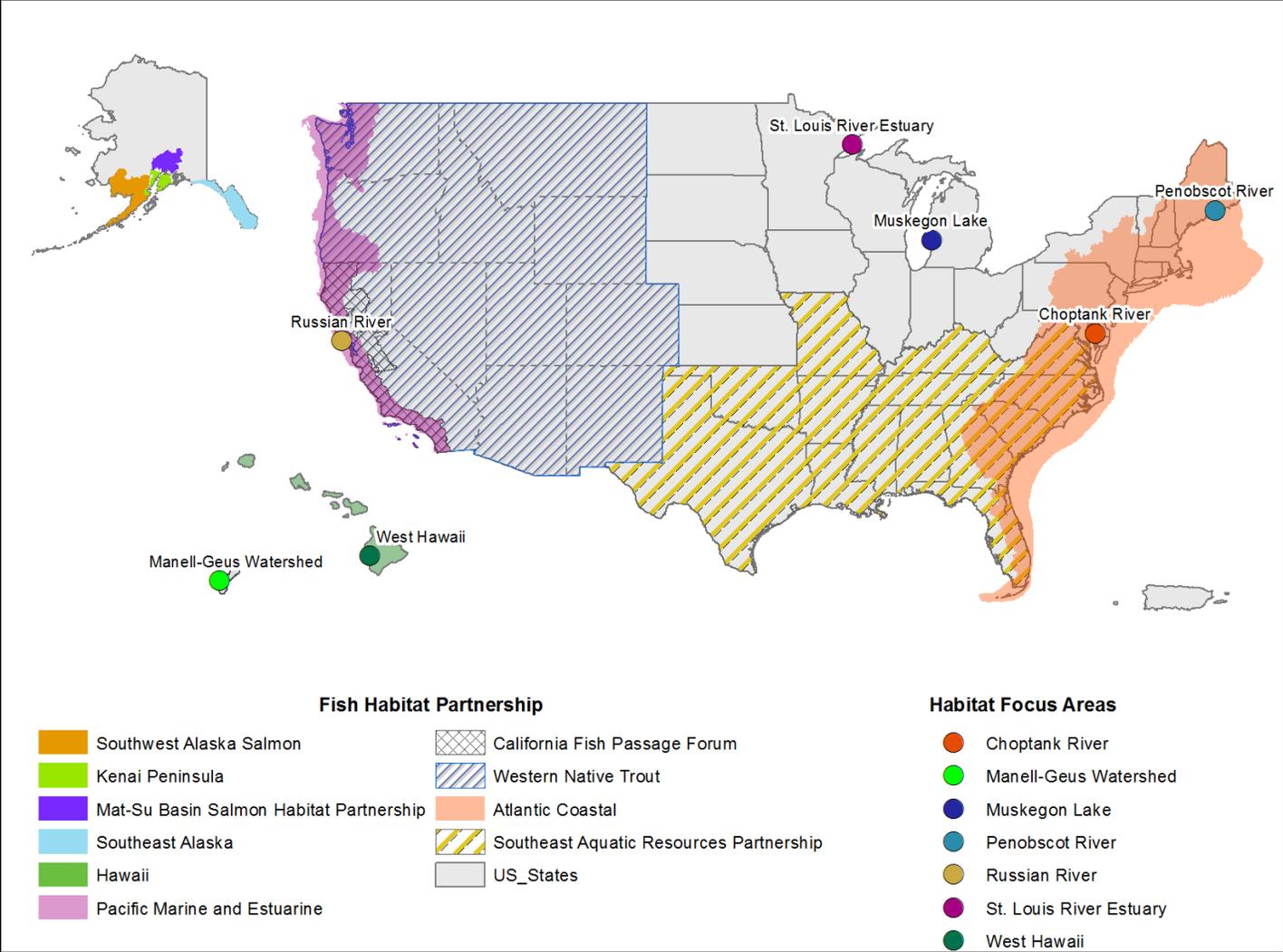
This packet contains information on the Fish Habitat Partnerships and the NOAA Habitat Blueprint Habitat Focus Areas. These programs may be of interest to the Fishery Management Councils because they represent places where there may be future opportunities for collaboration on habitat conservation actions or research. The packet contains:

- A map (Map 1) showing the location of the coastal Fish Habitat Partnerships and the Habitat Focus Areas that have been selected;
- A page or pages for each FMC identifying which Fish Habitat Partnerships and Habitat Focus Areas fall wholly or partially within the jurisdiction of the FMC. Information describing the priorities or objectives of these areas, along with contact information is provided. Decision criteria and additional considerations that regions have used in selecting their Habitat Focus Area(s) are also included.

If you have further questions about any of the information provided in this packet, please contact Emily Greene (emily.greene@noaa.gov) for the Fish Habitat Partnerships, and Dan Farrow (dan.farrow@noaa.gov) for the Habitat Focus Areas.

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Map1 - Location of Fish Habitat Partnerships and Habitat Focus Areas



Council	Fish Habitat Partnership	FHP Coordinator	FHP Lead NOAA Contact	Spatial Range	Coastal Highlights	Partner Snapshot (FHP and projects)
New England	Atlantic Coastal Fish Habitat Partnership (ACFHP) www.atlanticfishhabitat.org	vacant - posted	Lou Chiarella, Assistant Regional Administrator for Habitat Conservation, Greater Atlantic Region (lou.chiarella@noaa.gov)	Coastal states from Maine to the Florida Keys (including VT and PA), from the headwaters of coastally draining rivers to the edge of the continental shelf, with a focus in estuarine environments.	<ul style="list-style-type: none"> Accelerates the conservation, protection, and enhancement of habitat for native Atlantic coastal, estuarine-dependent, and diadromous fishes through partnerships Produced a Species-Habitat Matrix for >100 fish species Funded and endorsed projects in coastal habitats from Maine through Florida 	Federal and state agencies; regional (ie. Gulf of Maine Council) and local (ie. Town of Falmouth) governance entities; state-federal and interstate entities; tribal; local and national conservation organizations; philanthropic; and consultant
	Habitat Focus Area	Status of HFA	Contact	Decision Criteria	Focus Area Objectives	Key Projects
	Penobscot River (North Atlantic) NOAA Habitat Blueprint Web Site	This Focus Area was selected in February 2014 and implementation planning has begun	Lou Chiarella, Assistant Regional Administrator for Habitat Conservation (lou.chiarella@noaa.gov) Lead for Penobscot River HFA - John Catena, NE and GL Regional Supervisor, NOAA Restoration Center (john.catena@noaa.gov)	<ul style="list-style-type: none"> Criterion 1: Potential to Demonstrate Long-Term Impact Criterion 2: Feasibility of Making Measurable Progress over the Next Three to Five Years Criterion 3: Cross-NOAA Collaboration Criterion 4: External Partnerships and Potential to Provide Resources Criterion 5: Improves Our Scientific Understanding of Habitat Function <p>Additional Considerations:</p> <ul style="list-style-type: none"> Consideration 1: Transferability Consideration 2: Benefit to Local Communities and Economy Consideration 3: Improves Climate Resiliency 	<ul style="list-style-type: none"> Restore multiple diadromous species including river herring (species of concern), and ESA listed species: Atlantic salmon and Atlantic and shortnose Sturgeon Improved prey base for multiple offshore species including Gulf of Maine groundfish Improvement in water quality Improvement in river-based recreational opportunities 	Under Development

Council	Fish Habitat Partnership	FHP Coordinator	FHP Lead NOAA Contact	Spatial Range	Coastal Highlights	Partner Snapshot (FHP and projects)
Mid-Atlantic	Atlantic Coastal Fish Habitat Partnership (ACFHP) www.atlanticfishhabitat.org	vacant - posted	Lou Chiarella, Assistant Regional Administrator for Habitat Conservation, Greater Atlantic Region (lou.chiarella@noaa.gov)	Coastal states from Maine to the Florida Keys (including VT and PA), from the headwaters of coastally draining rivers to the edge of the continental shelf, with a focus in estuarine environments	<ul style="list-style-type: none"> Accelerates the conservation, protection, and enhancement of habitat for native Atlantic coastal, estuarine-dependent, and diadromous fishes through partnerships Produced a Species-Habitat Matrix for >100 fish species Funded and endorsed projects in coastal habitats from Maine through Florida 	Federal and state agencies; local governance entities (ie. Town of East Hampton; Suffolk County); state-federal and interstate entities; local and national conservation organizations; philanthropic; and academic.
	Southeast Aquatic Resources Partnership (SARP) http://southeastaquatics.net/	(interim) Scott Robinson (scottr@southeastaquatics.net)	Rusty Swafford, Supervisor, Gulf of Mexico Branch Southeast Region (Rusty.Swafford@noaa.gov)	Virginia, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, Texas, Oklahoma, Missouri, Arkansas, Tennessee, and Kentucky.	<ul style="list-style-type: none"> Strengthens the management and conservation of aquatic resources in estuarine and coastal habitats (2,900 miles of coast) in the SE U.S. Implements and monitors restoration projects benefitting marine and anadromous fish habitat in nine SE states Provides cutting edge instream flow information through the Southern Instream Flow Network (SIFN) Addresses threats to coastal fish, shellfish and habitats 	Federal and state agencies; interstate agency; local and national conservation organizations; and academic
	Habitat Focus Area	Status of HFA	Contact	Decision Criteria	Focus Area Objectives	Key Projects
	Delmarva - Choptank Complex (North Atlantic) NOAA Habitat Blueprint Web Site	This Focus Area was selected in February 2014 and implementation planning has begun	Lou Chiarella, Assistant Regional Administrator for Habitat Conservation (lou.chiarella@noaa.gov) Lead for Delmarva-Choptank Complex HFA - Peyton Robertson, Director, NOAA's Chesapeake Bay Office (peyton.robertson@noaa.gov)	<ul style="list-style-type: none"> Criterion 1: Potential to Demonstrate Long-Term Impact Criterion 2: Feasibility of Making Measurable Progress over the Next Three to Five Years Criterion 3: Cross-NOAA Collaboration Criterion 4: External Partnerships and Potential to Provide Resources Criterion 5: Improves Our Scientific Understanding of Habitat Function <p>Additional Considerations:</p> <ul style="list-style-type: none"> Consideration 1: Transferability Consideration 2: Benefit to Local Communities and Economy 	<ul style="list-style-type: none"> Restore degraded oyster reef habitat and significantly increase native oyster populations Rebuild and sustain important fish populations (including striped bass, shad, herring, American eel and other species) Document and quantify the benefits oyster reefs and associated habitats provide Improve the decision-making and resilience of coastal communities by improving the delivery of NOAA's habitat and climate science 	Under Development

Council	Fish Habitat Partnership	FHP Coordinator	FHP Lead NOAA Contact	Spatial Range	Coastal Highlights	Partner Snapshot (FHP and projects)
South Atlantic	Atlantic Coastal Fish Habitat Partnership www.atlanticfishhabitat.org	vacant - posted	Lou Chiarella, Assistant Regional Administrator for Habitat Conservation, Greater Atlantic Region (lou.chiarella@noaa.gov)	Coastal states from Maine to the Florida Keys (including VT and PA), from the headwaters of coastally draining rivers to the edge of the continental shelf, with a focus in estuarine environments	<ul style="list-style-type: none"> Accelerates the conservation, protection, and enhancement of habitat for native Atlantic coastal, estuarine-dependent, and diadromous fishes through partnerships Produced a Species-Habitat Matrix for >100 fish species Funded and endorsed projects in coastal habitats from Maine through Florida 	Federal and state agencies; state-federal and interstate entities; national conservation organizations; philanthropic; and academic.
	Southeast Aquatic Resources Partnership http://southeastaquatics.net/	(interim) Scott Robinson (scottr@southeastaquatics.net)	Rusty Swafford, Supervisor, Gulf of Mexico Branch Southeast Region (Rusty.Swafford@noaa.gov)	Virginia, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, Texas, Oklahoma, Missouri, Arkansas, Tennessee, and Kentucky.	<ul style="list-style-type: none"> Strengthens the management and conservation of aquatic resources in estuarine and coastal habitats (2,900 miles of coast) in the SE U.S. Implements and monitors restoration projects benefitting marine and anadromous fish habitat in nine SE states Provides cutting edge instream flow information through the Southern Instream Flow Network (SIFN) Addresses threats to coastal fish, shellfish and habitats 	Federal and state agencies; state-federal and interstate entities; regional governance entity (ie. South Atlantic Council); local and national conservation organizations; academic
	Habitat Focus Area	Status of HFA	Contact	Decision Criteria	Focus Area Objectives	Key Projects
	NOAA Habitat Blueprint Web Site	This region is currently undertaking the HFA selection process. One or more HFAs are scheduled to be selected in July.	Howard Schnabolk, Co-Chair of the Focus Area Selection Team (FAST) (howard.schnabolk@noaa.gov)	<ul style="list-style-type: none"> Criterion 1: Potential to Demonstrate Long-Term Impact Criterion 2: Feasibility of Making Measurable Progress over the Next Three to Five Years Criterion 3: Cross-NOAA Collaboration Criterion 4: External Partnerships and Potential to Provide Resources Criterion 5: Improves Our Scientific Understanding of Habitat Function Criterion 6: Leveraging Resources and Investments Criterion 7. Consistent with Regional Initiatives Additional Considerations: <ul style="list-style-type: none"> Consideration 1: Transferability Consideration 2: Benefit to Local Communities and Economy 	Not yet determined	Not yet determined

Council	Fish Habitat Partnership	FHP Coordinator	FHP Lead NOAA Contact	Spatial Range	Coastal Highlights	Partner Snapshot (FHP and projects)
Gulf of Mexico	Southeast Aquatic Resources Partnership http://southeastaquatics.net/	(interim) Scott Robinson (scottr@southeastaquatics.net)	Rusty Swafford, Supervisor, Gulf of Mexico Branch Southeast Region (Rusty.Swafford@noaa.gov)	Virginia, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, Texas, Oklahoma, Missouri, Arkansas, Tennessee, and Kentucky.	<ul style="list-style-type: none"> Strengthens the management and conservation of aquatic resources in estuarine and coastal habitats (2,900 miles of coast) in the SE U.S. Implements and monitors restoration projects benefitting marine and anadromous fish habitat in nine SE states Provides cutting edge instream flow information through the Southern Instream Flow Network (SIFN) Addresses threats to coastal fish, shellfish and habitats 	Federal and State agencies; interstate entity; regional (eg. Gulf of Mexico Fishery Management Council) and local (ie. City of Moss Point) governance entities; national conservation organizations; academic
	Habitat Focus Area	Status of HFA	Contact	Decision Criteria	Focus Area Objectives	Key Projects
	NOAA Habitat Blueprint Web Site	The decision on whether to undertake the selection process in this region is pending.	Virginia Fay, Assistant Regional Administrator for Habitat, SE Region (virginia.fay@noaa.gov)	<ul style="list-style-type: none"> Criterion 1: Potential to Demonstrate Long-Term Impact Criterion 2: Feasibility of Making Measurable Progress over the Next Three to Five Years Criterion 3: Cross-NOAA Collaboration Criterion 4: External Partnerships and Potential to Provide Resources Criterion 5: Improves Our Scientific Understanding of Habitat Function Additional Considerations: <ul style="list-style-type: none"> Consideration 1: Transferability Consideration 2: Benefit to Local Communities and Economy 	Not yet determined	Not yet determined

Council	Fish Habitat Partnership	FHP Coordinator	FHP Lead NOAA Contact	Spatial Range	Coastal Highlights	Partner Snapshot (FHP and projects)
Pacific	Pacific Marine and Estuarine FHP www.pacificfishhabitat.org	Lisa DeBruyckere (lisad@pacificfishhabitat.org)	Korie Schaeffer, Marine Habitat Resource Specialist, West Coast Region (korie.schaeffer@noaa.gov)	The PMEP estuarine and marine nearshore complex includes all marine and estuarine tidal and subtidal waters of the states of California, Oregon, and Washington, from the three-nautical mile boundary of the territorial sea landward to the high tide line, including the upstream extent of saltwater intrusion into coastal river systems. It also includes those adjacent shorelands and marine riparian areas that provide inputs to these waters.	<ul style="list-style-type: none"> Protects, restores, and enhances juvenile fish habitat and connectivity among habitats in the nearshore Pacific Ocean and California, Oregon, and Washington estuaries. Supports and promotes the protection, restoration, and enhancement of water quality and quantity to improve the function of estuarine and nearshore marine environments 	Federal and state agencies; interstate entity; regional (ie. Pacific Fishery Management Council) and local (ie. Grays Harbor Co. Commissioners) governance entities; Tribal entities; local and national conservation organizations; academic; industry; private landowners; consulting; and philanthropic
	California Fish Passage Forum www.cafishpassageforum.org	Lisa DeBruyckere (lisad@pacificfishhabitat.org)	Bob Pagliuco, NMFS (bob.pagliuco@noaa.gov)	Anadromous waters of the state of California	<ul style="list-style-type: none"> Remediates barriers to effective fish migration Facilitates coordination and communication among entities working on fish passage Identifies, assesses, and prioritizes the removal of fish passage barriers Disseminates guidelines and design criteria for replacement of barriers 	Federal and State agencies; local and national conservation organizations; interstate entity; philanthropic; academic; landowners
	Western Native Trout Initiative www.westernnative trout.org	Robin Knox (rknox@westernnative trout.org)	NA	Alaska, Washington, Oregon, Idaho, Montana, Wyoming, California, Nevada, Utah, Colorado, Arizona, and New Mexico.	<ul style="list-style-type: none"> Along the Pacific Northwest coast, WNTI supports coastal cutthroat trout data collection, conservation planning and habitat enhancement projects In Alaska, WNTI supports native trout and char data collection, conservation planning, and habitat enhancement projects, including protection and enhancement of water quality and quantity of coastal freshwater systems 	State and Federal agencies; Tribal entities; national conservation organizations; local governance entity (ie. Chelan County). Many partners but in coastal areas working primarily through the Pacific Marine and Estuarine FHP and the Pacific States Marine Fisheries Commission.

	Habitat Focus Area and Region	Status of HFA	Contact	Decision Criteria	Focus Area Objectives	Key Projects
Pacific (cont.)	Russian River Watershed HFA (West Coast) NOAA Habitat Blueprint Web Site	The Focus Area was selected in November 2012 and implementation planning is well underway.	Lead for the Russian River Watershed HFA - Pat Rutten, California Regional Supervisor, NOAA Restoration Center (pat.rutten@noaa.gov) Natalie Cosentino - Manning, HFA Implementation Coordinator (natalie.cosentino@noaa.gov)	<ul style="list-style-type: none"> • Criterion 1: Potential to Demonstrate Long-Term Impact • Criterion 2: Feasibility of Making Measurable Progress over the Next Three to Five Years • Criterion 3: Cross-NOAA Collaboration • Criterion 4: External Partnerships and Potential to Provide Resources • Criterion 5: Improves Our Scientific Understanding of Habitat Function • Criterion 6: Builds social and cultural attributes into ecosystem or watershed management <p>Additional Considerations:</p> <ul style="list-style-type: none"> • Consideration 1: Transferability • Consideration 2: Benefit to Local Communities and Economy 	<ul style="list-style-type: none"> • Rebuild endangered coho and threatened Chinook and steelhead stocks to sustainable levels through habitat protection and restoration. • Improve frost, rainfall, and river forecasts in the Russian River watershed through improved data collection and modeling. • Increase community and ecosystem resiliency to flooding and drought through improved planning and water management strategies. 	<ul style="list-style-type: none"> • Improve frost prediction and protection methods as a way to conserve summer flows in tributaries for juvenile salmon • Develop a hydrology model for key Russian River tributaries to predict low flow conditions and prioritize the best tributaries for restoration actions • Implement a Coastal Monitoring Plan for the Russian River to better determine coho salmon status in the watershed • Increase the PIT-tagging program for the Russian River Captive Broodstock Program to better track releases of juvenile salmon

Council	Fish Habitat Partnership	FHP Coordinator	FHP Lead NOAA Contact	Spatial Range	Coastal Highlights	Partner Snapshot (FHP and projects)
North Pacific	Kenai Peninsula FHP www.kenaifishpartnership.org	Robert Ruffner (coordinator @kenaifishpartnership.org)	Doug Limpinsel, Marine Fisheries Biologist - Habitat Specialist, Alaska Region (doug.limpinsel@noaa.gov)	The Kenai Peninsula Borough; bounded on the east by the Gulf of Alaska and Prince William Sound and on the north by Turnagain Arm, Upper Cook Inlet and the divide of the Susitna watershed; on the west side it generally follows the major divide of the Alaska Range and the Aleutian Range and thus is bordered by the Bristol Bay watershed to the west. On the south it follows the Naknek River drainage and then out to Point Douglas and across the north end of Shelikof Straits to a point north of the Barren Islands.	Alaska Fish Habitat Partnerships: <ul style="list-style-type: none"> Focus on abundant salmon resources and the shared recognition that coastal estuarine waters are vital for salmon and other anadromous species 	Federal and state agencies; local governance entities (ie. City of Seward; City of Kenai); Tribal entities; local and national conservation organizations; industry
	Mat-Su Basin Salmon Habitat Partnership www.matsusalmon.org	Jessica Speed, The Nature Conservancy (jspeed@tnc.org)	Erika Ammann, Fish Biologist Management, Alaska Region (erika.ammann@noaa.gov)	The Matanuska and Susitna watersheds and Upper Cook Inlet. The combined Mat-Su Basin extends from near the highest point in North America (Mount McKinley at 20,237 feet) to sea level at Cook Inlet. Three mountain ranges – the Alaska, Chugach, and Talkeetna – ring the Mat-Su Basin. Upper Cook Inlet, approximately 3,700 square miles north from Anchor Point on the Kenai Peninsula.	<ul style="list-style-type: none"> Prevent the loss of vital coastal and estuarine waters, recognizing the role these habitats play in maintaining thriving fish, healthy habitats and vibrant communities Share a "ridges to reefs" approach, recognizing the intrinsic connections between freshwater and coastal habitats 	Federal and state agencies; local governance entities (ie. City of Palmer; Matanuska-Susitna Borough); Tribal entity; industry; local and national conservation organizations
	Southeast Alaska FHP www.seakfhp.org	Deborah Hart (coordinator @sealaskafishhabitat.org)	Cindy Hartmann Moore, Fishery Biologist, Alaska Region (cindy.hartmann@noaa.gov)	Extends from Dixon Entrance at the South, to Cape Suckling in the North, eastward to the U.S. border, and includes all associated lands, freshwater and marine waters in between.	<ul style="list-style-type: none"> Help foster uncommon alliances of diverse stakeholders through efforts to better steward fish habitat 	Federal and state agencies; Tribal entities; local governance entity (ie. City and Borough of Yakutat); local and national conservation organizations; academic
	Southwest Alaska Salmon Habitat Partnership www.southwestsalmon.org	Tim Troll (bbheritagelt@nushtel.com)	Erika Ammann, Fish Biologist Management, Alaska Region (erika.ammann@noaa.gov)	Includes the Alaska Peninsula, all Bristol Bay watersheds and the watersheds flowing into the Kuskokwim River from the south and east up to and including the Aniak River.		Federal and state agencies; local and national conservation organizations; Tribal entities; academic

Council	Fish Habitat Partnership	FHP Coordinator	FHP Lead NOAA Contact	Spatial Range	Coastal Highlights	Partner Snapshot (FHP and projects)
North Pacific (cont.)	Western Native Trout Initiative www.westernnative trout.org	Robin Knox (rknox@westernnative trout.org)	NA	Alaska, Washington, Oregon, Idaho, Montana, Wyoming, California, Nevada, Utah, Colorado, Arizona, and New Mexico.	<ul style="list-style-type: none"> Along the Pacific Northwest coast, WNTI supports coastal cutthroat trout data collection, conservation planning and habitat enhancement projects In Alaska, WNTI supports native trout and char data collection, conservation planning and habitat enhancement projects, including protection and enhancement of water quality and quantity of coastal freshwater systems 	Federal and state agencies; national conservation organizations. Many partners but in coastal areas working primarily through the Pacific Marine and Estuarine FHP and the Pacific States Marine Fisheries Commission
	Habitat Focus Area	Status of HFA	Contact	Decision Criteria	Focus Area Objectives	Key Projects
	NOAA Habitat Blueprint Web Site	This region is currently undertaking the HFA selection process. One or more HFAs are scheduled to be selected in July.	Jeanne Hanson, Assistant Regional Administrator for Habitat, Alaska Region (jeanne.hanson@noaa.gov)	<ul style="list-style-type: none"> Criterion 1: Potential to Demonstrate Long-Term Impact Criterion 2: Feasibility of Making Measurable Progress over the Next Three to Five Years Criterion 3: Cross-NOAA Collaboration Criterion 4: External Partnerships and Potential to Provide Resources Criterion 5: Improves Our Scientific Understanding of Habitat Function <p>Additional Considerations:</p> <ul style="list-style-type: none"> Consideration 1: Transferability Consideration 2: Benefit to Local Communities and Economy 	Not yet determined	Not yet determined

Council	FHP	FHP Coordinator	FHP Lead NOAA Contact	Spatial Range	Coastal Highlights	Partner Snapshot (FHP and projects)
Western Pacific	Hawaii FHP www.fws.gov/pacificislands/hfp.html	Gordon Smith (gordon_smith@fws.gov)	Gerry Davis, Assistant Regional Administrator for Habitat Conservation, Pacific Region (gerry.davis@noaa.gov)	The main Hawaiian Islands.	<ul style="list-style-type: none"> Develops and implements projects to benefit native aquatic life in streams, estuaries, and nearshore marine habitats Reduces impacts of instream structures that pose barriers to native species migration Plans and supports projects that link inland and nearshore marine ecosystems to protect, restore and maintain self-sustaining aquatic communities 	Federal and state agencies; private landowners; academic; local and national conservation organizations; industry group.
	HFA	Status of HFA	Contact	Decision Criteria	Focus Area Objectives (preliminary)	Key Projects
	West Hawai'i HFA (Pacific Islands) NOAA Habitat Blueprint Web Site	The Focus Area was selected in September, 2013, and planning for implementation is beginning.	Lead for the West Hawai'i HFA - Gerry Davis, Assistant Regional Administrator for Habitat (gerry.davis@noaa.gov) Lani Watson, HFA Implementation Coordinator (lani.watson@noaa.gov)	<ul style="list-style-type: none"> Criterion 1: Potential to Demonstrate Long-Term Impact Criterion 2: Feasibility of Making Measurable Progress over the Next Three to Five Years Criterion 3: Cross-NOAA Collaboration Criterion 4: External Partnerships and Potential to Provide Resources Criterion 5: Improves Our Scientific Understanding of Habitat Function Additional Considerations: <ul style="list-style-type: none"> Consideration 1: Transferability Consideration 2: Benefit to Local Communities and Economy 	<ul style="list-style-type: none"> Prevent and reduce discharge of land-based pollutants, such as sediment and nutrients, to coral reef ecosystems. Identify and implement management actions to increase coral reef health and resilience and mitigate localized climate change effects to coastal communities, coral reefs, and marine resources. Build community and local capacity to manage coral reefs and coastal and marine resources. In order to achieve these objectives, we need to: <ul style="list-style-type: none"> Build and expand the understanding of biological, physical, and climate related factors to habitat condition through improved data collection and modeling, and provide the necessary tools and information to communities and local resource managers. 	Under Development
Manell Geus HFA (Pacific Islands) NOAA Habitat Blueprint Web Site	The Focus Area was selected in September, 2013, and planning for implementation is beginning.	Lead for the Manell-Geus HFA - Gerry Davis, Assistant Regional Administrator for Habitat (gerry.davis@noaa.gov) Lani Watson, HFA Implementation Coordinator (lani.watson@noaa.gov)	<ul style="list-style-type: none"> Criterion 1: Potential to Demonstrate Long-Term Impact Criterion 2: Feasibility of Making Measurable Progress over the Next Three to Five Years Criterion 3: Cross-NOAA Collaboration Criterion 4: External Partnerships and Potential to Provide Resources Criterion 5: Improves Our Scientific Understanding of Habitat Function Additional Considerations: <ul style="list-style-type: none"> Consideration 1: Transferability Consideration 2: Benefit to Local Communities and Economy 	<ul style="list-style-type: none"> Prevent and reduce discharge of land-based pollutants, such as sediment and nutrients, to coral reef ecosystems. Identify and implement management actions to increase coral reef health and resilience and mitigate localized climate change effects to coastal communities, coral reefs, and marine resources. Build community and local capacity to manage coral reefs and coastal and marine resources. In order to achieve these objectives, we need to: <ul style="list-style-type: none"> Build and expand the understanding of biological, physical, and climate related factors to habitat condition through improved data collection and modeling, and provide the necessary tools and information to communities and local resource managers. 	Under Development	