

SEPA ENVIRONMENTAL CHECKLIST

Purpose of checklist:

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Instructions for Lead Agencies:

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

Use of checklist for nonproject proposals: [\[help\]](#)

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

A. Background [\[help\]](#)

1. Name of proposed project, if applicable: [\[help\]](#)

Washington Coastal Pink Shrimp Fishery Management Plan (FMP)

2. Name of applicant: [\[help\]](#)

Lorna Wargo, Fish Program, Marine Fish Science

Dan Ayres, Region 6 Fish Program, Shellfish

3. Address and phone number of applicant and contact person: [\[help\]](#)

WDFW Region 6 Office
48 Devonshire Road
Montesano, WA 98563

Lorna Wargo, 360.249.1221
Dan Ayres, 360.249.4628 x209

4. Date checklist prepared: [\[help\]](#)

October 26, 2017

5. Agency requesting checklist: [\[help\]](#)

WDFW – Fish Program

6. Proposed timing or schedule (including phasing, if applicable): [\[help\]](#)

Implementation period: October 2017 – March 2018 (period is flexible subject to WA Fish and Wildlife Commission meeting schedules); the FMP is expected to be in effect from Commission adoption forward without stipulating a time period.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. [\[help\]](#)

Yes. The Coastal Pink Shrimp Fishery Management Plan (FMP) subject to this proposal could itself require periodic updates or be amended to address future unanticipated policy, regulatory or management needs. The intent of the FMP is to provide guidance for management of the coastal pink shrimp resource. This resource supports a commercial fishery and routine activity is anticipated in managing it.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. [\[help\]](#)

The coastal pink shrimp fishery is state managed but operates in federal waters. It is subject to federal restrictions for groundfish catch and essential fish habitat (EFH) through the Pacific Fishery Management Council's (Council) Groundfish Fishery Management Plan. Periodic reviews evaluating new science or information for EFH are required and conducted through the Council public process.

The Oregon Department of Fish and Wildlife incorporates oceanographic information into a population model used to index pink shrimp recruitment.

Numerous federal or state agencies, and academic institutions conduct a variety of environmental studies that produce information pertinent for managing the coastal pink shrimp including ocean physical and biological conditions, marine ecosystem dynamics, or other fish or shellfish populations.

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. [\[help\]](#)

No specific applications are known, it presumed such exist given the affected geographic area. As the Washington coastal pink shrimp fishery operates only in federal waters and no regulations restrict shrimp vessels from fishing in federal waters offshore another state, the affected geographic area for the FMP includes the federal waters (3-200 miles) of the Pacific Ocean adjacent to the states of Washington, Oregon and California.

10. List any government approvals or permits that will be needed for your proposal, if known. [\[help\]](#)

The FMP will require WDFW – Fish Program and/or Washington Fish and Wildlife Commission approval to be implemented.

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.) [\[help\]](#)

The Washington coastal pink shrimp fishery has operated under state statutes and regulations since its inception in the late 1950's. It is unknown if the fishery ever operated under a formal fishery management plan prior to 1990; it has not done so in the decades after.

The purpose of the pink shrimp FMP is to formally document existing policy and objectives, and propose a new policy, specific for management of the Washington coastal pink shrimp fishery. The FMP includes descriptions of: policies and objectives; regulatory authorities; fishery descriptions; time, area and gear regulations; habitat considerations; and bycatch and listed species interactions.

The proposed new policy introduces a management measure based on the concept of biological reference points. This management measure would affect “time” i.e., fishery season. Establishment of seasons, catch limits, and geographical areas for fishing and

shellfish removal are exempt from SEPA under WAC 197-11-835(1) and are not included in this SEPA determination.

Biological reference points are benchmark values, derived from scientific stock assessments or other fishery data-based analyses, that serve as indicators of fishery (or stock) performance. Approaching or exceeding a benchmark triggers a pre-specified management response. The only alternatives for this new policy are status quo or adoption of the reference points as presented in the FMP.

The Oregon Department of Fish and Wildlife developed two reference points based on an evaluation that links oceanographic conditions, pink shrimp stock abundance, and fishery catch. The management response if either of the reference points is reached is an early closure to the current fishery season and delay to the start of the fishery season the subsequent year. Under the proposed new policy, WDFW would enact the same management response and similarly close the Washington pink shrimp fishery. This approach is consistent with a long-standing policy to maintain the Washington pink shrimp fishery under similar rules as Oregon (and to a lesser degree, California). This approach recognizes that the two states' fleets are fishing on one pink shrimp stock and that an ODFW closure of the fishery could not prevent Washington vessels from fishing in federal waters off Oregon, or vice versa.

Implementation of an FMP with a biological reference point policy is also necessary to maintain the pink shrimp trawl fishery's sustainability certification under the Marine Stewardship Council (MSC). MSC is an international organization that certifies fisheries through "eco-labeling." Certification requires meeting sustainability criteria, involves outside review of fishery governance and management, and includes public review of the process. Industry processors sponsor the MSC certification; WA shrimpers indirectly benefit by the expansion of markets into Europe and other countries that only purchase eco-labeled product.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist. [\[help\]](#)

The Washington coastal pink shrimp fishery operates as a state-managed fishery in federal waters (3-200 miles) off the U.S. West coast.

B. ENVIRONMENTAL ELEMENTS [\[help\]](#)

1. Earth [\[help\]](#)

a. General description of the site: [\[help\]](#)

NA

(circle one): Flat, rolling, hilly, steep slopes, mountainous, other _____

b. What is the steepest slope on the site (approximate percent slope)? [\[help\]](#)

NA

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils. [\[help\]](#)

NA

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. [\[help\]](#)

NA

e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill. [\[help\]](#)

NA

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. [\[help\]](#)

NA

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? [\[help\]](#)

NA

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: [\[help\]](#)

NA

2. Air [\[help\]](#)

a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known. [\[help\]](#)

NA

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. [\[help\]](#)

Pink shrimp trawl vessels emit diesel fumes while transiting to and from port, and while fishing.

c. Proposed measures to reduce or control emissions or other impacts to air, if any: [\[help\]](#)

No specific measures are proposed that would specifically address emissions or impacts to air. Only in the event of a fishery closure under the new proposed reference policy would any reduction in emissions from shrimp trawl fishery vessels occur. And any

reduction in shrimp fishing activity and thus associated emissions could be offset as vessels could potentially switch to participating in other commercial fisheries.

3. **Water** [\[help\]](#)

a. Surface Water:

- 1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into. [\[help\]](#)

The proposed FMP applies to vessels licensed by the state of Washington to deliver pink shrimp into the state. Off Washington, fishing operations are authorized only in federal waters, i.e. 3-200 of the Pacific Ocean. Vessels transit through state waters, or those from 0 to 3 miles of the Pacific Ocean and moor at the ports of Ilwaco on the lower Columbia River, and at the boat basin situated within Grays Harbor.

- 2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans. [\[help\]](#)

The coastal commercial pink shrimp fishery actively fishes ocean depths from 50 to 100 fathoms. The depth of water while mooring and transiting to and from port will vary from dozens of feet to several fathoms.

- 3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material. [\[help\]](#)

NA

- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. [\[help\]](#)

NA

- 5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan. [\[help\]](#)

NA

- 6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge. [\[help\]](#)

NA

b. Ground Water:

- 1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known. [\[help\]](#)

NA

- 2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve. [\[help\]](#)

NA

c. Water runoff (including stormwater):

- 1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe. [\[help\]](#)

NA

- 2) Could waste materials enter ground or surface waters? If so, generally describe. [\[help\]](#)

NA

- 3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe. [\[help\]](#)

NA

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any: [\[help\]](#)

NA

4. **Plants** [\[help\]](#)

a. Check the types of vegetation found on the site: [\[help\]](#)

deciduous tree: alder, maple, aspen, other

evergreen tree: fir, cedar, pine, other

shrubs

grass

pasture

crop or grain

Orchards, vineyards or other permanent crops.

wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other

water plants: water lily, eelgrass, milfoil, other

other types of vegetation

b. What kind and amount of vegetation will be removed or altered? [\[help\]](#)

NA

c. List threatened and endangered species known to be on or near the site. [\[help\]](#)

None known

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: [\[help\]](#)

NA

e. List all noxious weeds and invasive species known to be on or near the site. [\[help\]](#)

None known

5. **Animals** [\[help\]](#)

- a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site. [\[help\]](#)

Examples include:

birds: hawk, heron, eagle, songbirds, other:

mammals: deer, bear, elk, beaver, other:

fish: bass, salmon, trout, herring, shellfish, other _____

Birds: Albatross, petrels, gulls, cormorants, pelicans, murre, shearwaters, etc.

Mammals: Whales, dolphins, porpoise, sea lions, seals, etc.

Fish/Shellfish: Pink shrimp, other shrimp species, Groundfish (e.g., flounder, sole, rockfish, cods, lings), coastal pelagics species (e.g. sardine, mackerel, herring, smelts, anchovies, highly migratory species (e.g. tunas)

Reptile: sea turtles

The coastal pink shrimp fishery targets pink shrimp (*Pandalus jordani*). Extensive research suggests that the pink shrimp resource is highly resilient to fishing pressure at levels experienced currently and in the past, as environmental conditions primarily drive pink shrimp stock abundance. The pink shrimp resource is considered healthy. Fish landing receipts document pink shrimp and other species landed into Washington ports by commercial pink shrimp trawl vessels (Figure 1 and Table 1). The Washington pink shrimp fishery is also required to carry federal observers as part of the NOAA Westcoast Groundfish Observer Program (WCGOP). This program documents and reports bycatch data, interactions with marine mammals and seabirds.

- b. List any threatened and endangered species known to be on or near the site. [\[help\]](#)

Eulachon

In 2010, eulachon (*Thaleichthys pacificus*) were listed under the Endangered Species Act as a threatened species by the National Marine Fisheries Service. Scientists cited various causes for the decline and also threats to the species' recovery (Gustafson, et. al., 2010). Among sixteen threats, they ranked bycatch in the Pacific Northwest (Oregon and Washington) pink shrimp trawl fishery second after climate change. At the time, very limited information or data about bycatch existed for the Washington shrimp trawl fishery. To close this data gap, the WDFW undertook several actions: 1) implemented regulations effective in 2010 to require Washington licensed shrimp trawl fishers to participate in the West Coast Groundfish Observer Program; 2) reinstated a fishery logbook program; and 3) sought and received a Species Recovery Grant to

implement a state-based observer program. The Washington pink shrimp trawl observer program operated for two fishing seasons and evaluated bycatch of eulachon, rockfish and flatfish. (Wargo et. al. 2016).

Recently, an ESA required five-year review concluded that despite general improvement in monitored eulachon populations, risks to eulachon recovery remain due to uncertain ocean conditions (Gustafson 2016). Published in September 2017, the Endangered Species Act Recovery Plan for the Southern Distinct Population Segment of Eulachon (Plan) assesses the severity of threats to recovery and ranks the shrimp trawl fishery as “high” while acknowledging the advances to reduce bycatch (NMFS 2017). The Plan also lays out priority actions for implementation in years 1 through 5. Among these is “continue to work with the ocean shrimp trawl fisheries and the states of California, Oregon and Washington to implement actions, e.g., fleet-wide implementation of light emitting diode lights, rigid grate bycatch reduction devices, and additional gear-type or operational modifications, to further reduce bycatch of eulachon in the ocean shrimp trawl fisheries.” WDFW, concurrent with ODFW, anticipates effecting permanent rules mandating the use of LED lights prior to the 2018 fishery season. Future actions will be considered as new information from research or observer data evaluations becomes available.

Marine Mammals

Seven species of whales managed by NOAA Westcoast Region are ESA listed. NOAA’s List of Fisheries (LOF) classifies U.S. commercial fisheries into one of three categories according to the level of incidental mortality or serious injury of marine mammals:

- I. frequent incidental mortality or serious injury of marine mammals
- II. occasional incidental mortality or serious injury of marine mammals
- III. remote likelihood of / no known incidental mortality or serious injury of marine mammals

The Marine Mammal Protection Act (MMPA) mandates that each fishery be classified by the level of mortality and serious injury of marine mammals that occurs incidental to each fishery is reported in the annual Marine Mammal Stock Assessment Reports for each stock.

The Washington pink shrimp trawl fishery is designated a Category III fishery (NOAA 50 CFR Part 229 List of Fisheries for 2017. Federal Register Volume 82, No. 8, Thursday, January 12, 2017/Rules and Regulations. Final Rule). The LOF indicates no serious injury or mortality of marine mammals has been documented for the coastal pink shrimp trawl fishery.

c. Is the site part of a migration route? If so, explain. [\[help\]](#)

Yes, the commercial shrimp fishery operates in ocean waters that are part of the migratory path of numerous marine mammals, fishes and seabirds.

d. Proposed measures to preserve or enhance wildlife, if any: [\[help\]](#)

In some manner, addressing incidental catch, bycatch, or protected species in the pink shrimp fishery has been the primary focus of management since the early 2000s. Since 2003, all shrimp nets have been required to have fin fish excluding panels installed which permit passage of shrimp into the codend but guide fish out through a hole in the top of the net. To reduce interactions with eulachon smelt, WDFW is pursuing rule-action to mandate the use of LED lights by Washington licensed shrimp trawlers beginning with the 2018 fishery season. Research demonstrates that the use of LED lights on nets aid fish, significantly smelt, avoidance thereby minimizing entrainment in the net. A CR 101 has been filed, and the action is scheduled for the Fish and Wildlife Commission's January and February agendas.

e. List any invasive animal species known to be on or near the site. [\[help\]](#)

NA

6. **Energy and Natural Resources** [\[help\]](#)

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc. [\[help\]](#)

NA

b. Would your project affect the potential use of solar energy by adjacent properties?

If so, generally describe. [\[help\]](#)

NA

c. What kinds of energy conservation features are included in the plans of this proposal?

List other proposed measures to reduce or control energy impacts, if any: [\[help\]](#)

NA

7. **Environmental Health** [\[help\]](#)

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe. [\[help\]](#)

1) Describe any known or possible contamination at the site from present or past uses.

[\[help\]](#)

NA

2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity. [\[help\]](#)

NA

3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project. [\[help\]](#)

NA

4) Describe special emergency services that might be required. [\[help\]](#)

NA

5) Proposed measures to reduce or control environmental health hazards, if any: [\[help\]](#)

NA

b. Noise [\[help\]](#)

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? [\[help\]](#)

NA

2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site. [\[help\]](#)

NA

3) Proposed measures to reduce or control noise impacts, if any: [\[help\]](#)

NA

8. **Land and Shoreline Use** [\[help\]](#)

a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe. [\[help\]](#)

NA

b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use? [\[help\]](#)

NA

1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how: [\[help\]](#)

NA

c. Describe any structures on the site. [\[help\]](#)

NA

d. Will any structures be demolished? If so, what? [\[help\]](#)

NA

e. What is the current zoning classification of the site? [\[help\]](#)

NA

f. What is the current comprehensive plan designation of the site? [\[help\]](#)

NA

g. If applicable, what is the current shoreline master program designation of the site? [\[help\]](#)

NA

h. Has any part of the site been classified as a critical area by the city or county? If so, specify. [\[help\]](#)

NA

i. Approximately how many people would reside or work in the completed project? [\[help\]](#)

NA

j. Approximately how many people would the completed project displace? [\[help\]](#)

NA

k. Proposed measures to avoid or reduce displacement impacts, if any: [\[help\]](#)

NA

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: [\[help\]](#)

NA

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any: [\[help\]](#)

NA

9. **Housing** [\[help\]](#)

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. [\[help\]](#)

NA

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. [\[help\]](#)

NA

c. Proposed measures to reduce or control housing impacts, if any: [\[help\]](#)

NA

10. **Aesthetics** [\[help\]](#)

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed? [\[help\]](#)

NA

- b. What views in the immediate vicinity would be altered or obstructed? [\[help\]](#)

NA

- b. Proposed measures to reduce or control aesthetic impacts, if any: [\[help\]](#)

NA

11. Light and Glare [\[help\]](#)

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? [\[help\]](#)

NA

- b. Could light or glare from the finished project be a safety hazard or interfere with views? [\[help\]](#)

NA

- c. What existing off-site sources of light or glare may affect your proposal? [\[help\]](#)

NA

- d. Proposed measures to reduce or control light and glare impacts, if any: [\[help\]](#)

NA

12. Recreation [\[help\]](#)

- a. What designated and informal recreational opportunities are in the immediate vicinity? [\[help\]](#)

Recreational fishing occurs in the same area in which the commercial shrimp fishery operates.

- b. Would the proposed project displace any existing recreational uses? If so, describe. [\[help\]](#)

No, the FMP does not affect any existing recreational uses.

- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: [\[help\]](#)

NA

13. Historic and cultural preservation [\[help\]](#)

- a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers? If so, specifically describe. [\[help\]](#)

NA

b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources. [\[help\]](#)

NA

c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc. [\[help\]](#)

NA

d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required. [\[help\]](#)

NA

14. **Transportation** [\[help\]](#)

a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any. [\[help\]](#)

NA

b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop? [\[help\]](#)

NA

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? [\[help\]](#)

NA

d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private). [\[help\]](#)

NA

e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. [\[help\]](#)

NA

f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates? [\[help\]](#)

NA

g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe. [\[help\]](#)

NA

h. Proposed measures to reduce or control transportation impacts, if any: [\[help\]](#)

NA

15. Public Services [\[help\]](#)

a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe. [\[help\]](#)

NA

b. Proposed measures to reduce or control direct impacts on public services, if any. [\[help\]](#)

NA

16. Utilities [\[help\]](#)

a. Circle utilities currently available at the site: [\[help\]](#)
electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system,
other _____

NA

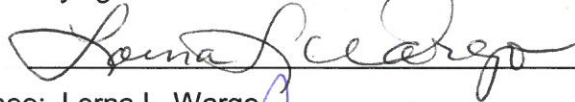
b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed. [\[help\]](#)

NA

C. Signature [\[help\]](#)

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: _____

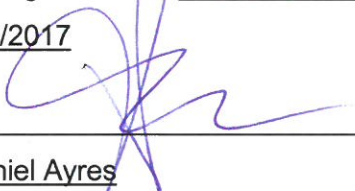


Name of signee: Lorna L. Wargo

Position and Agency/Organization: Coastal Marine Fisheries Manager

Date Submitted: 12/5/2017

Signature: _____



Name of signee: Daniel Ayres

Position and Agency/Organization: Coastal Shellfish Manager

Date Submitted: 12/5/2017

D. supplemental sheet for nonproject actions [\[help\]](#)

(IT IS NOT NECESSARY to use this sheet for project actions)

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?

The proposed FMP is not likely to result in an increase over existing levels of discharges to water, emissions to air, or the production, storage or release of toxic or hazardous substance, or the production of noise attributable to the commercial pink shrimp fishery. Fishing activity may increase in response to market demand (i.e. higher exvessel prices) or greater shrimp abundance but this would be independent of the FMP, and occur whether the FMP was in place or not. If adopted the FMP could result in closure of the fishery and therefore could potentially result in reductions of discharges, emissions, substances or noise assuming there was no shift of effort to another fishery.

Proposed measures to avoid or reduce such increases are:

NA

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

The FMP would foster and support more responsive management by providing objectives against which to measure actions and their potential to address conservation concerns. Implementation of the FMP will not directly adversely affect any of the listed elements. Actions taken consistent with the objectives of the FMP may effect changes in the coastal pink shrimp fishery that reduce adverse impacts to living marine species.

Proposed measures to protect or conserve plants, animals, fish, or marine life are:

The FMP does not specifically address measures but would require measures to be considered based on best available science.

3. How would the proposal be likely to deplete energy or natural resources?

The FMP will not directly deplete energy or natural resources, it may affect operations of the coastal pink shrimp fishery and this in turn could result in changes in energy or natural resource use by vessels, and the shrimp processing and shipping industries. The FMP is not likely to result in greater use of energy or natural resources as it largely establishes constraints on fishing activity. Market forces and shrimp availability could result in favorable conditions encouraging more fishing activity. This would result in more energy use.

Proposed measures to protect or conserve energy and natural resources are:

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?

Implementation of the FMP will not directly adversely affect environmentally sensitive areas. The coastal pink shrimp fishery is subject to federal regulation which prohibits trawling in certain areas to protect habitat or fish resources. Actions taken consistent with the objectives of the FMP may effect changes in the coastal pink shrimp fishery that reduce adverse impacts to marine habitats.

Proposed measures to protect such resources or to avoid or reduce impacts are:

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?

The Plan will not affect land or shoreline use.

Proposed measures to avoid or reduce shoreline and land use impacts are:

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

The Plan will not increase transportation or utility demands.

Proposed measures to reduce or respond to such demand(s) are:

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.

The FMP will not conflict with any environmental protection requirements. The FMP formally articulate objectives for the management of the coastal pink shrimp trawl fishery that are consistent with existing laws and supports efforts to surpass minimum resource protection standards.