Proposal for Task Force Consideration at the ISSC 2015 Biennial Meeting	☒ Growing Area ☐ Harvesting/Handling/Distribution ☐ Administrative

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Proposal Subject	Sanitary Survey Report Format
Specific NSSP Guide Reference	Section II. Model Ordinance Chapter IV. Shellstock Growing Areas @01. Sanitary Survey and Section IV. Guidance Documents Chapter II. Growing Areas .04 Sanitary Survey and the Classification of Growing Waters.
Text of Proposal/ Requested Action	Model Ordinance Chapter IV. Shellstock Growing Areas @.01 Sanitary Survey (C) Sanitary Survey Performance (1) A sanitary survey of each growing area shall be performed at least once every twelve (12) years and shall include the components in Section A. (1.) in the following outline: A. Executive Summary B. Description of Growing Area (1) Location map or chart showing growing area (2) Description of area and its boundaries (3) History of growing area classification (i) Date of last sanitary survey (ii) Previous classification(s) map(s) C. Pollution Source Survey (1) Summary of Sources and Location (i) Information gathered under the shoreline survey requirements outlined in (D). (ii) Map or chart showing the location of major sources of actual or potential pollution in the survey area including a table of sources of pollution cross-referenced to the survey area map. (2) Detailed description, identification, evaluation, and determination of impact of all actual and potential pollution sources identified during the shoreline survey on water quality throughout the growing area. D. Hydrographic and Meteorological Characteristics (1) Tides (type and amplitude), and currents (velocity and direction) (2) Rainfall and/or snowmelt (i) Amount (ii) When (e.g. time of year) (iii) Frequency of significant rainfalls (iv) Winds (Seasonality and effects on pollution dispersion)

(3) River discharges (volume and seasonality)
(4) Discussion concerning effects of pollution distribution and hydrographic factors (dilution, dispersion, and time of travel) on water quality throughout the growing area
(i) Salinity, depth, and stratification characteristics
(ii) Computer model verification if used for classification.

E. Water Quality Studies
(1) Map of sampling stations
(2) Sampling plan and justification
(i) Adverse condition sampling; and/or
(ii) Random sampling
(3) Sample Data Analysis and Presentation: Tables containing the basic NSSP statistics (number of samples, median or geometric mean, and the respective variability factors)
(i) Station by station monitoring data array collected under the adverse condition or systematic random sampling monitoring strategy
(ii) Daily sampling results and number of samples collected for survey
(iii) Overall compliance with NSSP criteria
(iv) Sorting of data by environmental pollution, seasonal, and/or meteorological condition
(v) Classification assigned to each station

F. Interpretation of Data in Determining Classification to Be Assigned to Growing Area: A discussion of how actual or potential pollution sources, wind, tide, rainfall, etc. affect or may affect water quality, that will address the following:
(1) Effects of meteorological and hydrographic conditions on bacterial loading
(2) Variability in the bacteriological data and causes

G. Conclusions
(1) Map or chart showing classification assigned to growing area(s) (closure lines, boundary lines separating various classifications)
(2) Legal description of growing area boundaries
(3) Management plan for growing area if in the conditionally approved or conditionally restricted classification meeting the requirements in (C.)
(4) Recommendations for sanitary survey improvement
(i) Changes in monitoring schedules, addition of sampling stations or station relocation, etc.

H. Comments

Guidance Documents Chapter II. Growing Areas
.04 Sanitary Survey and the Classification of Growing Waters

~~**Minimum Requirements of the Sanitary Survey Report**~~

~~The following outline contains the minimum requirements for the written growing area sanitary survey report required in the NSSP Model Ordinance.~~

~~A. Executive Summary~~
~~B. Description of Growing Area~~
~~(1) Location map or chart showing growing area~~

~~(2) Description of area and its boundaries~~
~~(3) History of growing area classification~~
~~* Date of last sanitary survey~~
~~* Previous classification(s) map(s) C. Pollution Source Survey~~
~~(1) Summary of Sources and Location~~
~~* Information gathered under the shoreline survey procedures outlined above.~~
~~* Map or chart showing the location of major sources of actual or potential pollution in the survey area.~~
~~* Table of sources of pollution cross referenced to the survey area map.~~
~~(2) Identification and evaluation of pollution sources~~
~~* Domestic wastes (discussion and maps)~~
~~* Storm water~~
~~* Agricultural waste (farms, feedlots, & slaughterhouse operations)~~
~~* Wildlife areas~~
~~* Industrial wastes~~
~~D. Hydrographic and Meteorological Characteristics~~
~~(1) Tides (type and amplitude), and currents (velocity and direction)~~
~~(2) Rainfall~~
~~* Amount~~
~~* When (e.g. time of year)~~
~~* Frequency of significant rainfalls~~
~~* Winds (Seasonality and effects on pollution dispersion)~~
~~(3) River discharges (volume and seasonality)~~
~~(4) Discussion concerning effects of pollution distribution and hydrographic factors (dilution, dispersion, and time of travel) on water quality throughout the growing area~~
~~* Salinity, depth, and stratification characteristics~~
~~* Computer model verification if used for classification.~~
~~E. Water Quality Studies~~
~~(1) Map of sampling stations~~
~~(2) Sampling plan and justification~~
~~* Adverse condition sampling~~
~~* Random sampling~~
~~(3) Sample Data Analysis and Presentation: Tables containing the basic NSSP statistics (number of samples, median or geometric mean, and the respective variability factors)~~
~~* Station by station monitoring data array collected under the adverse condition or systematic random sampling monitoring strategy~~
~~* Daily sampling results and number of samples collected for survey~~
~~* Overall compliance with NSSP criteria~~
~~* Sorting of data by environmental pollution condition~~
~~* Classification assigned to each station~~
~~F. Interpretation of Data in Determining Classification to Be Assigned to Growing Area: A discussion of how actual or potential pollution sources, wind, tide, rainfall, etc. affect or may affect water quality, that will address the following:~~
~~(1) Effects of meteorological and hydrographic conditions on bacterial loading~~
~~(2) Variability in the bacteriological data and causes~~
~~G. Conclusions~~
~~(1) Map or chart showing classification assigned to growing area(s) (closure~~

	~~lines, boundary lines separating various classifications)~~ ~~(2) Legal description of growing area boundaries~~ ~~(3) Management plan for growing area if in the conditionally approved or conditionally restricted classification~~ ~~(4) Recommendations for sanitary survey improvement~~ ~~* Changes in monitoring schedules, addition of sampling stations or station relocation, etc.~~ ~~* Comments~~
Public Health Significance	The Model Ordinance Guidance Documents contain the outline of the minimum requirements for the written sanitary survey report based on the requirements of the Model Ordinance. The guidance represents the ISSC's (state, federal, and industry) current thinking on the requirements for a sanitary survey, other reports, and the classification of growing areas. An alternative approach may be used if such approach satisfies the requirements of the applicable statute, regulations, and the Guide for the Control of Molluscan Shellfish. The requirement should not be in Guidance, but in the compliance language portion of the Model Ordinance. The primary responsibility of the State Shellfish Control Authority is to ensure the public health safety of the shellfish growing areas through compliance with the NSSP Model Ordinance. The Authority must perform a sanitary survey that collects and evaluates information concerning actual and potential pollution sources that may adversely affect the water quality in each growing area. Based on the sanitary survey information, the authority determines what use can be made of the shellstock from the growing area and assigns the growing area classification. Experience has shown that the minimum sanitary survey components required in this guidance are necessary for a reliable sanitary survey and since the State Shellfish Control Authorities are evaluated for conformance with the minimum requirements, the language should be moved to the satisfactory compliance section.
Cost Information	N/A