1st Draft for April 2, 2014 Steering Committee Meeting

Proposed StreamNet SOW Structure for Fiscal Year 2015

A Support transfer of data into secure & accessible repositories   FY-14: A $42,365.00   2.03%

Support transfer of data into secure and accessible repositories   159. Transfer/Consolidate/Regionally Standardize Data

Deliverable: StreamNet participants assist sponsors in securing data in appropriate repositories, as requested. Data are stored in appropriate repositories.

CTCR	Assist project sponsors transfer data to secure and accessible repositories
IDFG	Assist project sponsors transfer data to secure and accessible repositories
MFWP	Assist project sponsors transfer data to secure and accessible repositories
ODFW	Assist project sponsors transfer data to secure and accessible repositories
PSMFC	Assist project sponsors transfer data to secure and accessible repositories
USFWS	Assist project sponsors transfer data to secure and accessible repositories
WDFW	Assist project sponsors transfer data to secure and accessible repositories

B Maintain SN Data Store as a secure and accessible repository   FY-14: B $3,975.00   0.19%

Provide archive - Data Store   160. Create/Manage/Maintain database

Deliverable: The Data Store data submission procedure in improved and more efficient and is increasingly used as an archive for unstructured data, particularly from BPA project sponsors. The Data Store tools integrate with mm.org and cbfish.org.

PSMFC	Enhance the function of the Data Store for dissemination of BPA project and other unstructured data

C CA data - coordination

FY-14: C $93,295.00 4.48%

CA data - coordination   189. Regional Coordination

Deliverable: StreamNet, at all levels of the project, coordinates with all participants in the Coordinated Assessments project, including participation in the CA core team and planning group, leadership of the DES Development Team, leadership of the technical aspects of the project, and overall project participation and coordination.

CTCR	Coordinate and support the Coordinated Assessments project
IDFG	Coordinate and support the Coordinated Assessments project
ODFW	Coordinate and support the Coordinated Assessments project
PSMFC	Coordinate and support the Coordinated Assessments project
WDFW	Coordinate and support the Coordinated Assessments project

D CA data - DES and database

FY-14: D $124,985.00 6%

CA data - DES and database   160. Create/Manage/Maintain database

Deliverable: The CA DES is maintained and updated to include new indicators and their supporting metrics and metadata, and CA data are loaded and QA'd in a conforming database.

CTCR	Development and maintenance of CA data exchange standards and database
IDFG	Development and maintenance of CA data exchange standards and database
ODFW	Development and maintenance of CA data exchange standards and database
PSMFC	Development and maintenance of CA data exchange standards and database
WDFW	Development and maintenance of CA data exchange standards and database

E CA data - compile data

FY-14: E $175,675.00 8.43%

CA data - compile data   159. Transfer/Consolidate/Regionally Standardize Data

Deliverable: All available CA indicators and metrics are obtained, updated, converted to the DES format, and exchanged with the CA database.

CTCR	Compile data relevant to Coordinated Assessments indicators and metrics
IDFG	Compile data relevant to Coordinated Assessments indicators and metrics

ODFW	Compile data relevant to Coordinated Assessments indicators and metrics
WDFW	Compile data relevant to Coordinated Assessments indicators and metrics

F CA data - automated data exchange
FY-14: F, G $89,200.00   4.28%

CA data - automated data exchange   160. Create/Manage/Maintain database

Deliverable: Initial automated feeds of CA data to the CA database are implemented and evaluated for effectiveness, and automated data feeds to NOAAF are initiated.

IDFG	Improve systems to manage data feeding CA indicators from district offices to regional repositories
PSMFC	Improve systems to manage data feeding CA indicators from district offices to regional repositories

G CA data - dissemination
FY-14: H $24,200.00   1.16%

CA data - dissemination   161. Disseminate Raw & Summary Data and Results

Deliverable: The CA indicators, metrics and metadata are available for public viewing and download through the StreamNet data query systems and as web services.

PSMFC	Disseminate the Coordinated Assessments indicators and metrics

H Compile data
FY-14: I, K, O, U, W, X $210,480.00   10.1%

Compile and deliver data   159. Transfer/Consolidate/Regionally Standardize Data

Deliverable: Compile fish data on adult abundance, spawner counts, estimates of spawning populations, hatchery returns, age composition, habitat, barriers, distribution, juvenile abundance, resident fish, hydrography, and related metrics.

CTCR	Compile and deliver fish data and hydrography to StreamNet databases.
IDFG	Compile and deliver fish data and hydrography to StreamNet databases.
MFWP	Compile and deliver fish data and hydrography to StreamNet databases.
ODFW	Compile and deliver fish data and hydrography to StreamNet databases.
USFWS	Compile and deliver fish data and hydrography to StreamNet databases.
WDFW	Compile and deliver fish data and hydrography to StreamNet databases.

I Data exchange standards and database

FY-14: J, M, S $77,105.00   3.7%

Maintain DES and database   160. Create/Manage/Maintain database

Deliverable: The StreamNet DES and database for fish abundance, juvenile fish abundance, resident fish, and related fish metrics are maintained and data are loaded into the StreamNet database and quality assured as they are received.

CTCR	Participate in development of DES for juvenile abundance, resident fish and related fish metrics.
IDFG	Participate in development of DES for juvenile abundance, resident fish and related fish metrics.
MFWP	Participate in development of DES for juvenile abundance, resident fish and related fish metrics.
ODFW	Participate in development of DES for juvenile abundance, resident fish and related fish metrics.
PSMFC	Participate in development of DES for juvenile abundance, resident fish and related fish metrics.
USFWS	Participate in development of DES for juvenile abundance, resident fish and related fish metrics.
WDFW	Participate in development of DES for juvenile abundance, resident fish and related fish metrics.

J Determine availability of data

FY-14: N, T $23,480.00   1.12%

Determine the availability of juvenile abundance and resident fish data   159. Transfer/Consolidate/Regionally Standardize Data

Deliverable: Report on availability of juvenile fish abundance data and of various types of resident fish data as detailed in the DES for each participating agency.

CTCR	Determine the availability of juvenile abundance and resident fish data
IDFG	Determine the availability of juvenile abundance and resident fish data
MFWP	Determine the availability of juvenile abundance and resident fish data
ODFW	Determine the availability of juvenile abundance and resident fish data
PSMFC	Determine the availability of juvenile abundance and resident fish data
WDFW	Determine the availability of juvenile abundance and resident fish data

K Coordination

Coordination at the regional scale   189. Regional Coordination

Deliverable: StreamNet participants coordinate with regional entities to manage and improve data sharing at the Columbia Basin scale.

CTCR	Coordination with data source agencies both inside and outside the Fish and Wildlife Program
IDFG	Coordination with data source agencies both inside and outside the Fish and Wildlife Program
MFWP	Coordination with data source agencies both inside and outside the Fish and Wildlife Program
ODFW	Coordination with data source agencies both inside and outside the Fish and Wildlife Program
PSMFC	Support documentation of monitoring protocols
PSMFC	Collaborate to display locations and types of monitoring data available
PSMFC	Support database workshop with PNAMP
PSMFC	Promote the project through technical and professional organizations
PSMFC	Coordination with data source agencies both inside and outside the Fish and Wildlife Program
PSMFC	Collaborate in discussions of non-structured tributary and estuary data
USFWS	Coordination with data source agencies both inside and outside the Fish and Wildlife Program
WDFW	Coordination with data source agencies both inside and outside the Fish and Wildlife Program

Coordination of PSMFC databases   189. Regional Coordination

Deliverable: A forum to integrate data sharing across PSMFC database projects is developed and implemented.

PSMFC	PSMFC establish a forum to address integration of data and functions among PSMFC databases

Resident fish abundance data - coordination   189. Regional Coordination

Deliverable: Coordination with the Upper Columbia resident fish database provides adequate information to assure compatibility of resident fish data in the StreamNet DES.

CTCR	Coordinate with states and tribes to facilitate organization and delivery of resident fish data
IDFG	Coordinate with states and tribes to facilitate organization and delivery of resident fish data
MFWP	Coordinate with states and tribes to facilitate organization and delivery of resident fish data
ODFW	Coordinate with states and tribes to facilitate organization and delivery of resident fish data

PSMFC	Coordinate with states and tribes to facilitate organization and delivery of resident fish data
WDFW	Coordinate with states and tribes to facilitate organization and delivery of resident fish data

L Improve data systems

FY-14: Q $3,465.00   0.17%

Improve rotary screw trap data system for measuring Juvenile abundance   160. Create/Manage/Maintain database

Deliverable: Agency juvenile trap database systems are compared and improved features are shared among systems.

PSMFC	Share capabilities of FWS Rotary Screw Trap database platform

M Disseminate data

FY-14: AG, L, P, V $69,680.00   3.34%

Data dissemination - custom requests   161. Disseminate Raw & Summary Data and Results

Deliverable: Requests for information or assistance are responded to in a timely manner (within one business day at PSMFC). If within StreamNet capabilities, requested help or information is provided as rapidly as reasonably possible within existing resources.

IDFG	Respond to and track data/information requests
MFWP	Respond to and track data/information requests
ODFW	Respond to and track data/information requests
PSMFC	Respond to and track data/information requests
USFWS	Respond to and track data/information requests
WDFW	Respond to and track data/information requests

Dissemination of non-CA data   161. Disseminate Raw & Summary Data and Results

Deliverable: All data that are submitted by the source agencies are available for review and download through the StreamNet online query systems and as web services.

PSMFC	Disseminate updated non-CA data via web pages and data bases

N Enhance data efficiency - system development

FY-14: AA, Z $171,855.00   8.24%

Enhance data efficiency - system development and automated data feeds   160. Create/Manage/Maintain database

Deliverable: Web services or other automated means are established, and automated flow of data to StreamNet is tested. Agency database systems and procedures are enhanced over time to improve data flow efficiency.

CTCR	Develop automated data flow to central StreamNet database.
IDFG	Develop automated data flow to central StreamNet database.
MFWP	Develop automated data flow to central StreamNet database.
ODFW	Develop automated data flow to central StreamNet database.
PSMFC	Develop automated data flow to central StreamNet database.
WDFW	Develop automated data flow to central StreamNet database.

O Coordinate and conduct field data capture device trials

FY-14: AB, YY $58,825.00   2.82%

Data capture devices - develop data systems, coordinate, and conduct field trials   157. Collect/Generate/Validate Field and Lab Data

Deliverable: Field trials of handheld electronic data capture devices are conducted. Results from the initial trials are reported and used to guide additional trials in the future.

CTCR	Participate in the field trial of data capture devices as possible within resources
MFWP	Participate in the field trial of data capture devices as possible within resources
PSMFC	Lead field trial of handheld electronic data capture devices
WDFW	Participate in the field trial of data capture devices as possible within resources

P Develop data systems for field data capture device trials

FY-14: AC $6,720.00   0.32%

Data capture devices - develop data systems for and manage data from field trials   160. Create/Manage/Maintain database

Deliverable: A real-world test of the selected data capture devices and related cloud database services is conducted and the results are reported. Recommendations for future use are included in the report.

PSMFC	Develop data system and deploy devices for field trials of handheld data capture devices

Q Metadata exchange through Monitoring Explorer pilot project

FY-14: AE $15,385.00   0.74%

Metadata exchange through Monitoring Explorer pilot project   161. Disseminate Raw & Summary Data and Results

Deliverable: Metadata for the pilot explorer are provided to Sitka via web services in conformity with the project metadata exchange standards.

PSMFC	PSMFC participate in regional effort to share metadata to locate monitoring activities

R Data sharing agreement - finalize and implement

FY-14: AF $18,200.00   0.87%

Data sharing agreement - finalize and implement   161. Disseminate Raw & Summary Data and Results

Deliverable: The draft Data Sharing Agreement template is released for regional review. A version of that template is adopted by StreamNet and implemented for data obtained through the Data Store.

PSMFC	PSMFC implement a Data Sharing Agreement template

S Infrastructure and base operations

FY-14: AH, Y $272,180.00   13.06%

Infrastructure and base operations   160. Create/Manage/Maintain database

Deliverable: Project infrastructure and databases are maintained and updated as needed to acquire, manage and disseminate referenced data.

CTCR	Infrastructure maintenance and base operations
IDFG	Infrastructure maintenance and base operations
MFWP	Infrastructure maintenance and base operations
ODFW	Infrastructure maintenance and base operations
PSMFC	Infrastructure maintenance and base operations
USFWS	Infrastructure maintenance and base operations
WDFW	Infrastructure maintenance and base operations

Lower Tier data - maintain database   160. Create/Manage/Maintain database

Deliverable: Project infrastructure and databases are maintained and updated as needed to acquire, manage and disseminate referenced data.

PSMFC	PSMFC obtain and archive data from the IBIS database

T Manage project activities

<div align="right">FY-14: AJ $303,030.00   14.54%</div>

Manage project activities   119. Manage and Administer Projects

Deliverable: Project staff and budgets are effectively managed, work detailed in this SOW is accomplished, and required SOW/budget documents are prepared and submitted on schedule.

CTCR	Steering Committee will control budgets, provide oversight, guidance, management and supervision
IDFG	Steering Committee will control budgets, provide oversight, guidance, management and supervision
MFWP	Steering Committee will control budgets, provide oversight, guidance, management and supervision
ODFW	Steering Committee will control budgets, provide oversight, guidance, management and supervision
PSMFC	Steering Committee will control budgets, provide oversight, guidance, management and supervision
PSMFC	PSMFC will develop and submit the FY-15 SOW/budget package
WDFW	Steering Committee will control budgets, provide oversight, guidance, management and supervision

U Reporting

<div align="right">FY-14: AK, AL, AM, XX $97,221.00   4.65%</div>

Produce Annual Report   132. Produce Annual Report

Deliverable: Finalize and submit 2014 Annual Report to BPA for upload into Pisces of work conducted for the calendar year to be submitted to BPA COTR and RMESupport@bpa.gov. This will include work done outside the Statement of Work on StreamNet objectives that were not specifically described in the SOW, and work directly related to StreamNet that was done on other funding.

CTCR	Produce Annual Report
IDFG	Produce Annual Report
MFWP	Produce Annual Report
ODFW	Produce Annual Report
PSMFC	Produce Annual Report
USFWS	Produce Annual Report
WDFW	Produce Annual Report

Produce Executive Summary

999. Executive Summary

Deliverable:

CTCR	Provide input for Introduction / Executive Summary of report
IDFG	Provide input for Introduction / Executive Summary of report
MFWP	Provide input for Introduction / Executive Summary of report
ODFW	Provide input for Introduction / Executive Summary of report
PSMFC	Provide input for Introduction / Executive Summary of report
USFWS	Provide input for Introduction / Executive Summary of report
WDFW	Provide input for Introduction / Executive Summary of report

Produce Pisces Status Report

185. Produce Pisces Status Report

Deliverable: Status Report submitted on quarterly schedule.

CTCR	Produce quarterly Status Report
IDFG	Produce quarterly Status Report
MFWP	Produce quarterly Status Report
ODFW	Produce quarterly Status Report
PSMFC	Produce quarterly Status Report
USFWS	Produce quarterly Status Report
WDFW	Produce quarterly Status Report