**Summary Report to BPA of the StreamNet review of Fish Data Projects’ Work Statement Elements and recommended assignment of Data Repository IDs from the Monitoring Methods list of Environmental Information Repositories**

January 31, 2014

StreamNet has attempted to identify specific secure data repositories utilizing the information that its compilers gathered last year into a spreadsheet derived from the Fish Data Projects spreadsheet sent to PSMFC on December 13, 2013. This spreadsheet contains six columns containing proposed data repository IDs from the Monitoring Methods list of Environmental Information Repositories. In addition, it contains a field to indicate internal agency data repositories that are not included in the Monitoring Methods list, a field that states the current status for each of the 1,275 WSEIDs in the review, and a field that sorts the information so that the proposed updates are at the top of the spreadsheet. Five StreamNet compilers assisted in the final review of this product.

The attached spreadsheet is sorted first by the field Sort4Tuan, then by ProjectNumber and WSEID. The 530 records beginning with “10 Proposed MMID” each contain up to 7 proposed DataRepositoryIDs (WSEID 70512 has a 7th MMID 1164 noted in the field named “Non\_MM\_Repository”). The remaining records begin with a general description of their status, summarized in Table 1.

| **Table 1. Spreadsheet sort order of 1,275 WSEIDs**  |
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| **Sort4Tuan** | **WSEIDs** |
| 10 Proposed MMID | 530 |
| 20 internal non-MM repository | 94 |
| 20 no fish metrics | 114 |
| 20 no repository | 13 |
| 20 no repository identified | 15 |
| 30 declined to participate | 81 |
| 30 no response | 17 |
| 40 CRITFC to review | 404 |
| 50 data not yet collected | 2 |
| 50 database under development | 2 |
| 50 metric - WSETitle mismatch | 1 |
| 50 project not in original rev | 2 |

Table 2 tallies the number of reviewed WSEIDs where StreamNet proposes linkage to one or more Data Repositories.

| **Table 2. Summary of 624 reviewed WSEIDs’ Proposed Data Repositories** (MM & non-MM)  |
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| **Number of Proposed Repositories per WSEID** | **WSEIDs** | **Number that also include a Non-MM Repository** |
| WSEIDs with **1** Proposed Monitoring Methods Repository | 220 | 7 |
| WSEIDs with **2** Proposed Monitoring Methods Repositories | 170 | 1 |
| WSEIDs with **3** Proposed Monitoring Methods Repositories | 100 | 1 |
| WSEIDs with **4** Proposed Monitoring Methods Repositories | 21 | 0 |
| WSEIDs with **5** Proposed Monitoring Methods Repositories | 5 | 0 |
| WSEIDs with **6** Proposed Monitoring Methods Repositories | 13 | 0 |
| WSEIDs with **7** Proposed Monitoring Methods Repositories | 1 | 0 |
| WSEIDs with **no** Proposed Monitoring Methods Repository | 94 | 94 |

Table 3 tallies the number of WSEIDs coded with one of 31 values in the Status\_Jan2014 column of the spreadsheet.

| **Table 3. Status of all 1,275 WSEIDs** |
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| **Status January, 2014** | **WSEIDs** |
| IDFG reviewed - Proposed repository | 196 |
| IDFG reviewed - no fish metrics | 63 |
| IDFG & WDFW reviewed - Proposed repository | 16 |
| IDFG reviewed - No repository indicated | 12 |
| IDFG reviewed - Data not yet collected | 2 |
| IDFG reviewed - Metric does not jive with WSET | 1 |
| MFWP reviewed - Proposed repository | 17 |
| MFWP received no response | 10 |
| MFWP reviewed - no fish metrics | 6 |
| MFWP reviewed - Derived data available in final report | 4 |
| ODFW reviewed - Proposed repository | 121 |
| ODFW reviewed - no fish metrics | 9 |
| ODFW reviewed - Internal ODFW repository | 2 |
| ODFW reviewed - Internal OSU repository | 2 |
| ODFW reviewed - No repository indicated | 1 |
| PSMFC reviewed - Proposed repository | 63 |
| PSMFC received no response | 7 |
| PSMFC reviewed - no fish metrics | 5 |
| PSMFC reviewed - Internal CDFO repository | 2 |
| USFWS attempted review - Abernathy declined to participate | 18 |
| USFWS reviewed - Proposed repository | 13 |
| WDFW reviewed - Proposed repository | 83 |
| WDFW reviewed - Internal WDFW repository | 71 |
| WDFW received no information from tribe | 62 |
| WDFW reviewed - no fish metrics | 48 |
| WDFW reviewed - Internal NWFSC repository | 17 |
| WDFW reviewed - No repository indicated | 15 |
| WDFW received no response | 2 |
| WDFW reviewed - solely a CTUIR function | 1 |
| Project not in original list - not reviewed | 2 |
| CRITFC to review | 404 |

Since many of the Contract Numbers, WSEIDs and the leading letters in the WSETitles of the December 13 spreadsheet did not match the information that StreamNet originally reviewed, a visual comparison was performed with the descriptive part of the WSETitles for each project to retrieve the information from our initial review; the records in the attached spreadsheet carry the Contract Numbers, WSEIDs and the WSETitles that were in the December 13 spreadsheet. Note that some of our original reviews were done at the Subcategory or Specific Metric Title level, so that detailed information was aggregated for each Work Statement Element Title in this product.

| **Table 4. Summary of the number of WSEIDs associated with 47 Monitoring Methods Repositories** |
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| **Data Repository ID** | **Title** | **# of WSEIDs** |
| 49 | Avian Predation Project | 4 |
| 50 | BPA Fish and Wildlife publication page | 167 |
| 53 | Columbia Basin Baseline Water Quality | 8 |
| 55 | CRITFC Technical Reports and Research Website | 2 |
| 58 | DART - Data Access in Real Time | 3 |
| 59 | Data Basin | 2 |
| 63 | Fish Passage Center | 26 |
| 64 | Genetic Analysis of Pacific Salmonids (GAPS) | 6 |
| 68 | Idaho Fish and Wildlife Information System | 69 |
| 69 | IDFG Fisheries Technical Reports | 89 |
| 73 | PNAMP Monitoring Methods Website | 3 |
| 77 | Northern Pikeminnow Sport Reward Fishery Program Website | 4 |
| 78 | NONE - No data repository or not electronically available | 124 |
| 79 | Nez Perce Tribe Fisheries Resources Management Website | 1 |
| 82 | Stevan Phelps Allele Nomenclature (SPAN), NWFSC Oracle Collaboration Suite | 1 |
| 84 | NOAA Ocean Indicators Tool | 4 |
| 91 | PTAGIS Website | 117 |
| 93 | Lower Columbia River Estuary Partnership website | 15 |
| 94 | RMIS - Regional Mark Information System | 51 |
| 95 | WDFW Salmonid Stock Inventory (SaSI) & SalmonScape | 9 |
| 97 | SATURN - CMOP Science and Technology University Research Network | 1 |
| 99 | ISEMP - Integrated Status and Effectiveness Monitoring Program  | 11 |
| 100 | StreamNet Data Store | 85 |
| 105 | USGS National Water Information System (NWIS) database | 2 |
| 115 | ODFW Hatchery Management Information System database | 5 |
| 116 | StreamNet Library | 4 |
| 117 | StreamNet Database | 103 |
| 118 | MFISH - Montana Fisheries Information System | 2 |
| 120 | Columbia Basin Water Transactions Program | 20 |
| 123 | Middle Fork (John Day) Intensively Monitored Watershed Reports | 3 |
| 124 | NOAA Salmon Population Summary (SPS) Database | 13 |
| 125 | ODFW Salmon and Steelhead Recovery Tracker | 2 |
| 126 | ODFW's Data Clearinghouse | 92 |
| 128 | CHaMPmonitoring.org | 20 |
| 1138 | Walla Walla Basin Watershed Council Website for Environmental Data | 4 |
| 1144 | Bird Research Northwest Data Portal | 4 |
| 1148 | Spawning Ground Survey Database (SGS) | 4 |
| 1151 | Hatchery Reform Science Program | 4 |
| 1152 | Upper Columbia Salmon Recovery Board Database | 6 |
| 1153 | FishBooks | 7 |
| 1159 | ODFW Fish Health Database | 13 |
| 1161 | ODFW Sturgeon Database | 1 |
| 1162 | UCM&E Database (Local Wenatchee Field Office Server | 12 |
| 1163 | WDFW Genetics Unit Database | 7 |
| 1164 | WDFW Scales Unit Database | 6 |
| 1170 | STORET | 16 |
| 1172 | FIS – Fisheries Information System (Montana) | 15 |
| 1173 | QCI Network Database | 11 |

Table 5 tallies the number of WSEIDs reported to be only on internal agency servers that are not in the Monitoring Methods list of Environmental Information Repositories.

| **Table 5. Summary of 94 WSEIDs only on internal agency Non-Monitoring Methods Repository** |
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| **Non-MM Repository** | **WSEIDs** | **Proposed Data Repository ID #1** |
| CDFO - Oceanographic data on network server at Pacific Biological Station, Nanaimo, B.C. | 1 | 78 |
| CDFO - Zooplankton data on network server at Institute of Ocean Sciences, Sidney, B.C. | 1 | 78 |
| NOAA Northwest Fisheries Science Center, Seattle | 17 | 78 |
| ODFW virtual servers at Headquarters | 2 | 78 |
| OSU online network | 2 | 78 |
| WDFW - internal agency server | 65 | 78 |
| WDFW - Region 5 TWS agency server | 3 | 78 |
| WDFW - spreadsheets on agency server in local office | 2 | 78 |
| WDFW - statewide JMX agency server | 1 | 78 |