

Coordinated Assessments Partnership Terms and Definitions Review 2024-25

Pacific Northwest Aquatic Monitoring Partnership - Fish Monitoring Work
Group Task Group

Introduction

Coordinated Assessments Partnership (CAP) Terms and Definitions [PNAMP FMWG Task Group \(2024–2025\)](#) completed a comprehensive review of terminology used in CAP Data Exchange Standards (DES) to improve clarity and consistency. CAP Natural and Hatchery DESs include High Level Indicators (HLI) and metrics tables with over 665 fields of terms and corresponding definitions. Terms may be used in multiple tables and may have had different definitions in different tables. Through collaborative discussions, the task group reached consensus on the controlled vocabulary premise of a one to one relationship between terms and definitions across all uses within the CAP DESs. The process identified errors and recommended updates to 159 changes to terms and definitions across all DES tables. These updates ensure alignment with current practices and support accurate, standardized data exchange across the region by all participants.

CAP was developed to address the need for standardized and accessible data at a regional scale for informed management decisions fish management agencies and tribes that collect salmon and steelhead data in the Columbia River Basin to be involved in the management and use of their data for calculation of population-level metrics and indicators in support of regional scale reporting and population assessments. The primary product of CAP is the Coordinated Assessments Data Exchange (CAX), a dynamic database that

The Partnership is co-led by StreamNet and PNAMP and has had periods of concerted efforts to develop new standards to meet data requests and periods of active management to maintain or modernize the flow of data under existing standards. The DESs developed by CAP are adaptively managed under documented processes for development and revision to ensure current needs and practices are adequately represented. For the procedures [document](#), download the current DESs, and more historical background on CAP, see the [website](#).

Task Group

The FMWG CAP Terms and Definitions task group was formed in 2024 in response to requests from the 2023 CAP Workshop that brought together data contributors and users to discuss what was working well or could be improved. The task group was formed of volunteers from the CAP community, representing data providers. Participants are listed in alphabetical order.

Task Group leads: Mike Banach, PSMFC; Jen Bayer, USGS PNAMP; and Mari Williams, PSMFC.

Task Group members: Dan Auerbach, WDFW; Kasey Bliesner, ODFW; Evan Brown, IDFG; Nadine Craft, ODFW; Elizabeth Davis, IDFG; Phil Sandstrom, WDFW; and Bekki Waskovich, IDFG.

The Terms and Definitions task was led by Mike, Jen, and Mari. Mike compiled the list of all the field names and descriptions in the HLI tables in both Natural and Hatchery Data Exchange Standards in a spreadsheet. Mari reviewed the spreadsheet and flagged items specifically requested for review at the 2023 CAP Workshop or those that have required extra clarification for data consumers not involved in the CAP. Several terms in the Natural DES were flagged to bring them into alignment with the definitions developed more recently for the Hatchery DES. Jen and Mike then reviewed the flagging to add any terms they wanted reviewed and to question the inclusion of other terms that were flagged by Mari. The spreadsheet was used to track flagging and discussions or decisions. Once the co-leads finished their reviews, the spreadsheet was shared with full task group. The task group reviewed 205 items and through consensus identified what items needed or did not need changes made to the term or definition. Changes proposed were then identified as “major” or “minor” according to DES revision protocol.

Task Group Outcome

Recommendations from the task group were categorized as:

- No change (21 of the 205)
- Correction (14)
- Change (151)
- Changes necessary, but the issue is beyond the scope of the task (19). This included items related to harvest (8) and hatchery brood returns (11).

Corrections for spelling, grammatical, or text belonging in “Codes and conventions” with no other changes were made by Mike, as StreamNet DBA, without further discussion. All other changes (151) were sent to the DDT for review.

Implementation of Task Group Recommendations

The Task Group recommendations were sent to the Natural and Hatchery DDTs, initiating the formal revision protocol. Terms and definitions with proposed changes that qualified under CAP DES revision protocols as minor were distributed to the full CAP DDT email list as a survey. Survey response options were either to approve the changes as recommended or to discuss the changes at the next DDT meeting.

Survey results:

- 80 minor DES changes surveyed
- 61 changes unanimously adopted
- 19 changes sent to DDT for discussion

Unanimous approval in the survey met the revision standards and those changes were provided for inclusion in the next DES updates.

Items recommended for adoption that qualified as major changes (71) to the DES and the minor changes not agreed to in the survey (19) were then discussed by the DDTs at the meeting held virtually on January 30, 2025. Minor DES changes that reached consensus at the meeting were added to the list of modifications for the next DES updates. Any major changes to the DESs recommended for adoption through the discussion at the January DDT meeting were sent as a survey to the full CAP email distribution list for final approval to allow for anyone unable to attend the DDT meeting to document their recommendation.

Survey results:

- 52 changes surveyed
- 50 changes unanimously adopted
- 2 changes sent back to the DDT for further discussion

The DDT met again on July 28, 2025 and came to consensus on all remaining items. In total, 159 changes, as terms or definitions across all DES indicator and metric tables were updated. CAP DESs now contain a total of 280 uniquely termed and defined data fields. Five terms with two different definitions remain.

These updates went to Mike, as StreamNet DBA, to make in both the SQL database and DES documents. They have ([CA Hatchery DES vers 20250728](#)) or will appear in new versions of the DESs when published and will be provided as field names (terms) and attached metadata (definitions) with data downloaded from the CAX.

Data field terms identified through this review and not addressed by the Task Group include:

- Fields related to harvest data. The task group agreed that this would require a focused review by subject matter experts.
- HCA fields specifically developed into a proposed DES change by IDFG for terms in the HCA HatcheryReturns and BroodstockSpawning tables to remove and clarify terms about fields identifying unmarked and unknown origin fish.

CAP Terms and Definitions in Indicator and Metric Tables

CAP Terms and Definitions vers 20250728

Term	Definition
Abundance	The total number of fish estimated for the population and time frame (year and months) indicated by each record.
AbundanceAlpha	The significance level for the Abundance confidence interval, expressed as alpha.
AbundanceLowerLimit	The lower limit of the confidence interval for the Abundance field.
AbundanceUpperLimit	The upper limit of the confidence interval for the Abundance field.
AdultLocation	Sampling location or location to which the estimate is applied
Age0Prop	The proportion of natural origin fish that were age 0 (brood year +0).
Age0PropLowerLimit	The lower limit of the confidence interval for the Age0Prop field.
Age0PropUpperLimit	The upper limit of the confidence interval for the Age0Prop field.
Age10Adults	Total number of adult recruits that recruited at age 10 (brood year +10).
Age10Prop	The proportion of natural origin fish that were age 10 (brood year +10).
Age10PropLowerLimit	The lower limit of the confidence interval for the Age10Prop field.
Age10PropUpperLimit	The upper limit of the confidence interval for the Age10Prop field.
Age11PlusAdults	Total number of adult recruits that recruited at age 11 (brood year +11) or older.
Age11PlusProp	The proportion of natural origin fish that were age 11 (brood year +11) or older.
Age11PlusPropLowerLimit	The lower limit of the confidence interval for the Age11PlusProp field.
Age11PlusPropUpperLimit	The upper limit of the confidence interval for the Age11PlusProp field.
Age1Juvs	Total number of juvenile recruits (parr or smolts) at age 1 (brood year +1).

Term	Definition
Age1Juvs	Total number of juvenile recruits (parr or smolts) at age 0 (brood year +0).
Age1Prop	The proportion of natural origin fish that were age 1 (brood year +1).
Age1PropLowerLimit	The lower limit of the confidence interval for the Age1Prop field.
Age1PropUpperLimit	The upper limit of the confidence interval for the Age1Prop field.
Age2Adults	Total number of adult recruits that recruited at age 2 (brood year +2).
Age2Juvs	Total number of juvenile recruits at age 2 (brood year +2).
Age2Prop	The proportion of natural origin fish that were age 2 (brood year +2).
Age2PropLowerLimit	The lower limit of the confidence interval for the Age2Prop field.
Age2PropUpperLimit	The upper limit of the confidence interval for the Age2Prop field.
Age3Adults	Total number of adult recruits that recruited at age 3 (brood year +3).
Age3Juvs	Total number of juvenile recruits at age 3 (brood year +3).
Age3Prop	The proportion of natural origin fish that were age 3 (brood year +3).
Age3PropLowerLimit	The lower limit of the confidence interval for the Age3Prop field.
Age3PropUpperLimit	The upper limit of the confidence interval for the Age3Prop field.
Age4Adults	Total number of adult recruits that recruited at age 4 (brood year +4).
Age4PlusJuvs	Total number of juvenile recruits at age 4 (brood year +4) or older.
Age4PlusProp	The proportion of natural origin fish that were age 4 or higher (brood year +4) or older.
Age4PlusPropLowerLimit	The lower limit of the confidence interval for the Age4PlusProp field.
Age4PlusPropUpperLimit	The upper limit of the confidence interval for the Age4PlusProp field.

Term	Definition
Age4Prop	The proportion of natural origin fish that were age 4 (brood year +4).
Age4PropLowerLimit	The lower limit of the confidence interval for the Age4Prop field.
Age4PropUpperLimit	The upper limit of the confidence interval for the Age4Prop field.
Age5Adults	Total number of adult recruits that recruited at age 5 (brood year +5).
Age5Prop	The proportion of natural origin fish that were age 5 (brood year +5).
Age5PropLowerLimit	The lower limit of the confidence interval for the Age5Prop field.
Age5PropUpperLimit	The upper limit of the confidence interval for the Age5Prop field.
Age6Adults	Total number of adult recruits that recruited at age 6 (brood year +6).
Age6Prop	The proportion of natural origin fish that were age 6 (brood year +6).
Age6PropLowerLimit	The lower limit of the confidence interval for the Age6Prop field.
Age6PropUpperLimit	The upper limit of the confidence interval for the Age6Prop field.
Age7Adults	Total number of adult recruits that recruited at age 7 (brood year +7).
Age7Prop	The proportion of natural origin fish that were age 7 (brood year +7).
Age7PropLowerLimit	The lower limit of the confidence interval for the Age7Prop field.
Age7PropUpperLimit	The upper limit of the confidence interval for the Age7Prop field.
Age8Adults	Total number of adult recruits that recruited at age 8 (brood year +8).
Age8Prop	The proportion of natural origin fish that were age 8 (brood year +8).
Age8PropLowerLimit	The lower limit of the confidence interval for the Age8Prop field.
Age8PropUpperLimit	The upper limit of the confidence interval for the Age8Prop field.

Term	Definition
Age9Adults	Total number of adult recruits that recruited at age 9 (brood year +9).
Age9Prop	The proportion of natural origin fish that were age 9 (brood year +9).
Age9PropLowerLimit	The lower limit of the confidence interval for the Age9Prop field.
Age9PropUpperLimit	The upper limit of the confidence interval for the Age9Prop field.
AgePropAlpha	The significance level for the Age_x_Prop confidence intervals, expressed as alpha.
AvgLength	Average length in mm of the released fish.
AvgWeight	Average weight in g of the released fish.
BestValue	A declaration of whether the ContactAgency considers this record to be their approved best estimate for this indicator.
When a ContactAgency provides >1 r	Record for that combination then “Yes” in this BestValue field indicates this record contains the indicator value the agency recognizes as their best estimate.
BPAprojNum	BPA project number(s) of funding used to collect the data that went into calculating the HLIs.
BroodFemales	The total number of females used in spawning, which includes hatchery origin and unmarked fish.
BroodJacks	The total number of jacks used in spawning, which includes hatchery origin and unmarked fish.
BroodMales	The total number of males used in spawning, which includes hatchery origin and unmarked fish. Excludes jacks.
BroodStockRemoved	The number of additional fish that would have returned from the smolt group indicated in the TSO field, had there not been removal of fish for use as broodstock in a hatchery. The value of the SARtype field determines whether females, males, and jacks are included here.
BroodYear	The four-digit year in which spawning of this species (and run where appropriate) began.
Comments	Any issues, problems, questions about this record that were not already captured in other places.
CommonName	Common name of the taxon of fish.

Term	Definition
CommonPopName	Population name used by local biologists.
CompilerRecordID	Agency record ID maintained by the data submitter.
ContactAgency	Agency, tribe, or other entity, or person responsible for these data that is the best contact for questions that may arise about this data record.
ContactEmail	Email address of person who is the best contact for questions that may arise about this data record.
ContactPersonFirst	First name of person who is the best contact for questions that may arise about this data record.
ContactPersonLast	Last name of person who is the best contact for questions that may arise about this data record.
ContactPhone	Phone number of person who is the best contact for questions that may arise about this data record.
DataEntry	Compiler's name.
DataEntryNotes	Notes about this record by the compiler identified in the "DataEntry" field.
DataStatus	Status of the data in the current record.
EndMonth	The month sampling ended.
ESAListed	Flag indicating whether the hatchery fish are part of the ESU or DPS in which it falls geographically.
EscapementLat	For escapement estimates, latitude of the location specified in the WaterBody field in decimal degrees (not degrees-minutes-seconds). Calculated using NAD83/WGS84 datum.
EscapementLong	For escapement estimates, longitude of the location specified in the WaterBody field in decimal degrees (not degrees-minutes-seconds). Calculated using NAD83/WGS84 datum.
EscapementTiming	Specific time period for an escapement estimate, in terms of months of the year. May be the start and end months of sampling, or the first and last months of fish observations.
EstimateType	Whether the values in the NOSAIJ / NOSAEJ fields are classified as spawner abundance or escapement.
ESU_DPS	The name of the Evolutionarily Significant Unit (ESU) or Distinct Population Segment (DPS) the population is part of, as defined by NOAA Fisheries West Coast Region or by U.S. Fish and Wildlife Service. See the

Term	Definition
FishPerPound	Federal Register Notices for full legal description of listings under the Endangered Species Act. Fish per pound of the released fish. When multiple releases are combined into one record, this value is the weighted average of the several releases.
GeneralApproach	The general class of method(s) used to make the abundance estimate.
HatcheryFacilityName	The central facility where the majority of production occurs for a specific group of hatchery fish.
HatcheryFemales	The total number of hatchery origin adult females, excluding jennies, returning to and collected at the specified return location(s). “Hatchery origin” means the fish’s parents were spawned in captivity rather than spawning naturally in the wild.
HatcheryJacks	The total number of hatchery origin jacks returning to and collected at the specified return location(s). “Hatchery origin” means the fish’s parents were spawned in captivity rather than spawning naturally in the wild.
HatcheryJennies	The total number of hatchery origin jennies returning to and collected at the specified return location(s). “Hatchery origin” means the fish’s parents were spawned in captivity rather than spawning naturally in the wild. A “Jenny” is the female equivalent of a jack.
HatcheryMales	The total number of hatchery origin adult males, excluding jacks, returning to and collected at the specified return location(s). “Hatchery origin” means the fish’s parents were spawned in captivity rather than spawning naturally in the wild.
HatcheryProgramID	StreamNet-defined code for the hatchery program represented by this record.
HatcheryProgramName	A concerted set of artificial production activities that may span multiple locations such as hatchery facilities and acclimation sites, and generally focus on one species of fish or population to address harvest supplementation, mitigation, conservation, or recovery needs.
HatcheryProgramType	Purpose of the hatchery program this record represents.
HatcheryReleasesAffiliatedPopID	Code for the natural origin population of the same

Term	Definition
	species and run at the location given in the ReleaseLocation field.
HatcheryReturnsAffiliatedPopID	Code for the natural origin population of the same species and run at the location given in the ReturnLocation field.
HatcherySpawners	Point estimate for the number of parent spawners of hatchery origin that contributed to the brood year this record reflects. This number is the hatchery portion of the TotalSpawners field.
HatcherySpawnersAlpha	The significance level for the HatcherySpawners confidence interval, expressed as alpha.
HatcherySpawnersLowerLimit	The lower limit of the confidence interval for the HatcherySpawners field.
HatcherySpawnersUpperLimit	The upper limit of the confidence interval for the HatcherySpawners field.
HatcheryStockName	Name for the stock of hatchery fish represented by this record.
HatcheryTotal	The total number of hatchery origin fish returning to and collected at the specified return location(s). "Hatchery origin" means the fish's parents were spawned in captivity rather than spawning naturally in the wild.
HatcheryUnknown	The total number of hatchery origin unsexed fish returning to and collected at the specified return location(s). "Hatchery origin" means the fish's parents were spawned in captivity rather than spawning naturally in the wild.
HOBFemales	The number of hatchery origin females used in spawning.
HOBJacks	The number of hatchery origin jacks used in spawning.
HOBMales	The number of hatchery origin males used in spawning, excluding jacks.
HOSAEJ	The point estimate for hatchery origin spawner abundance, excluding jacks, spawning in the wild.
HOSAIJ	The point estimate for hatchery origin spawner abundance, including jacks, spawning in the wild.
HOSEJH	The number of hatchery origin fish spawned in the hatchery, excluding jacks.
HOSIJH	The number of hatchery origin fish spawned in the

Term	Definition
	hatchery, including jacks.
HOSJF	The point estimate for the hatchery origin spawners jack fraction.
ID	Value used by computer to identify a record.
IndicatorDataSource	Where the indicator data are stored by the data provider. Also see MetricDataSource, MeasureDataSource.
JuvenileOutmigrantsID	Foreign key used to identify the parent record in the JuvenileOutmigrants table.
LengthType	Type of lengths represented in the LengthMin, LengthMean, LengthMax, and LengthSD fieldsAvgLength field.
LifeStage	Life stage the record represents.
Location	Sampling location or location to which the estimate is applied.
LocPTcode	The MRR or INT code from PTAGIS database for this location.
MainstemHarvest	The estimated number of adults and jacks from the recruit group indicated in the Recruits field that were harvested in the mainstem (including the estuary).
MainstemHarvest	The estimated number of fish from the smolt group indicated in the TSO field that were harvested in the mainstem (including the estuary). The value of the SARtype field determines whether females, males, and jacks are included here. This field is for use in the Columbia Basin only.
MajorPopGroup	For populations listed under the Endangered Species Act, the name of the Major Population Group the population is included in, as defined by the NOAA Fisheries West Coast Region in the Federal Register Notice listing the population.
MeasureDataSource	Where the measurement data taken in the field are stored. Also see IndicatorDataSource, MetricDataSource.
MetaComments	Comments regarding the supporting information.
MethodAdjustments	Minor adjustments to a method in a given year that are not described in the method citations above but are important.
MethodNumber	This field represents the method(s) used to calculate

Term	Definition
MetricDataSource	the values in the “Indicators” and “Metrics” sections. Where the metric data refined from field measures and used to derive the high-level indicator are stored. Also see IndicatorDataSource, MeasureDataSource.
NaturalTotal	Number of unmarked fish believed to be natural origin, including females, males, jacks, and jennies.
NOBroodStockRemoved	The number of additional recruits that would have returned had there not been removal of fish from this brood year for use as broodstock in a hatchery.
NOBroodStockRemoved	When EstimateType = “NOSA”, this field is the number of natural origin fish (adults plus jacks) that were prevented from participating in natural spawning because they were taken for use as hatchery broodstock. When EstimateType = “Escapement”, this field is the number of natural origin fish (adults plus jacks) that were prevented from passing upstream of the site specified in the WaterBody field because they were taken for use as hatchery broodstock.
NOSAEJ	The point estimate for natural origin spawner abundance (NOSA) or natural origin spawner escapement, excluding jacks. Includes only “adults” of natural origin, excluding jacks. “Natural origin” means the fish’s parents spawned in the wild.
NOSAEJ	The point estimate for NOSA or natural origin escapement, excluding jacks. Includes only “adults” of natural origin, excluding jacks. “Natural origin” means the fish’s parents spawned in the wild.
NOSAEJAlpha	The significance level for the NOSAEJ confidence interval, expressed as alpha.
NOSAEJLowerLimit	The lower limit of the confidence interval for the NOSAEJ field.
NOSAEJUpperLimit	The upper limit of the confidence interval for the NOSAEJ field.
NOSAIJ	The point estimate for NOSA or natural origin escapement, including jacks. Includes only “adults” of natural origin, including jacks. “Natural origin” means the fish’s parents spawned in the wild.
NOSAIJAlpha	The significance level for the NOSAIJ confidence interval, expressed as alpha.

Term	Definition
NOSAIJLowerLimit	The lower limit of the confidence interval for the NOSAIJ field.
NOSAIJUpperLimit	The upper limit of the confidence interval for the NOSAIJ field.
NOSEJH	The number of natural origin fish spawned in the hatchery, excluding jacks.
NOSIJH	The number of natural origin fish spawned in the hatchery, including jacks.
NOSJF	The point estimate for the natural origin spawners jack fraction.
NOSJFAlpha	The significance level for the NOSJF confidence interval, expressed as alpha.
NOSJFLowerLimit	The lower limit of the confidence interval for the NOSJF field.
NOSJFUpperLimit	The upper limit of the confidence interval for the NOSJF field.
NullRecord	In some years data may not be collected and so the primary value cannot be calculated. This field is used to indicate that primary value does not exist because the data do not exist to calculate it. For example, high muddy water or wildfires can prevent sampling, or some metrics that are critical to producing the primary value are not available.
NumberReleased	Number of fish released at the indicated location(s) and date(s)/time(s)
OtherDataSources	The ContactAgency field identifies an organization involved in calculating the values in this record. This "OtherDataSources" field identifies additional organizations that provided data or expertise to calculate the indicator(s), metric(s), or age distribution for this record.
OutmigrationYear	The four-digit year in which the fish were expected to migrate to the ocean.
pHOBEJ	The proportion of broodstock actually spawned in a hatchery, excluding jacks, that are hatchery origin fish. "Hatchery origin" means the fish's parents were spawned in captivity rather than spawning naturally in the wild.
pHOBIJ	The proportion of broodstock actually spawned in a

Term	Definition
	hatchery, including jacks, that are hatchery origin fish. “Hatchery origin” means the fish’s parents were spawned in captivity rather than spawning naturally in the wild.
pHOSej	Point estimate for the proportion of fish spawning naturally, excluding jacks, that are hatchery origin fish.
pHOSejAlpha	The significance level for the pHOSej confidence interval, expressed as alpha.
pHOSejLowerLimit	The lower limit of the confidence interval for the pHOSej field.
pHOSejUpperLimit	The upper limit of the confidence interval for the pHOSej field.
pHOSij	Point estimate for the proportion of fish spawning naturally, including jacks, that are hatchery origin fish.
pHOSijAlpha	The significance level for the pHOSij confidence interval, expressed as alpha.
pHOSijLowerLimit	The lower limit of the confidence interval for the pHOSij field.
pHOSijUpperLimit	The upper limit of the confidence interval for the pHOSij field.
PNIEJ	Proportionate natural influence index excluding jacks, calculated as $pNOB/(pNOB + pHOS)$ where: pNOB = proportion of broodstock actually spawned in a hatchery that are natural origin fish. pHOS = proportion of fish spawning naturally that are hatchery origin fish. Exclude jacks when calculating this value.
PNIIJ	Proportionate natural influence index including jacks, calculated as $pNOB/(pNOB + pHOS)$ where: pNOB = proportion of broodstock actually spawned in a hatchery that are natural origin fish. pHOS = proportion of fish spawning naturally that are hatchery origin fish. Include jacks when calculating this value.
pNOBEJ	Proportion of broodstock actually spawned in a hatchery, excluding jacks, that are natural origin fish. “Natural origin” means the fish’s parents spawned in the wild.
pNOBIJ	Proportion of broodstock actually spawned in a hatchery, including jacks, that are natural origin fish. “Natural origin” means the fish’s parents spawned in

Term	Definition
PopFit	the wild. Categorization of how well the geographic extent of the estimate corresponds to the geographic definition of the population (answers include “same” geographic extent, “partial” extent, “multiple” extents).
PopFitNotes	Text description of how well the HLI value corresponds to the defined population, and why if not “same” the data are not at the scale of a single population.
PopID	Code for the population(s) of fish represented by this record.
PrimaryOperator	Agency, tribe, or other entity that was the primary operator of the hatchery during this time.
ProtMethDocumentation	Citation or documentation that describes the protocol and/or method(s) listed in the ProtMethName field. Include references not documented in MonitoringResources.org, such as reports, journal articles or other publications that describe the survey design, field methodology and analytical approach used to derive the indicator estimate.
ProtMethName	The name(s) of all protocols and associated data collection and data analysis methods used to calculate the indicator estimate.
ProtMethURL	URL(s) for published protocols and methods describing the methodology and documenting the derivation of the indicator. If published in MonitoringResources.org, this link will provide access to study design information and all methods associated with the protocol.
PTAGISreleaseCode	The MRR or INT code from PTAGIS database for this location.
Publish	Yes/no value indicating whether this record should be shared freely with all public users via the Exchange Network. If “No” then the record can only be accessed by using the apikey that created it.
RearingType	The rearing type (origin; production type) of the fish represented by this record.
RecoveryDomain	Name of the “recovery domain,” as defined in the Federal Register Notice by the NOAA Fisheries West Coast Region or by U.S. Fish and Wildlife Service, in which the population falls geographically.

Term	Definition
RecruitDef	How “recruit” is defined for this R/S estimate.
RecruitLocation	The specific named location(s) where the recruit numbers were determined.
Recruits	Point estimate for the total number of natural origin recruits from the indicated combination of species, run, population, spawner location, recruit location, brood year, and RperStype.
RecruitsAlpha	The significance level for the Recruits confidence interval, expressed as alpha.
RecruitsLowerLimit	The lower limit of the confidence interval for the Recruits field.
RecruitsMissing	This field indicates whether any recruits for this brood year were missing.
RecruitsMissingExplanation	If some recruits data are not accounted for in the RperS estimate, explain the gap.
RecruitsUpperLimit	The upper limit of the confidence interval for the Recruits field.
RefID	The unique StreamNet reference ID number that identifies the source document or database from which the record was obtained.
ReleaseDef	How the number of fish released is defined.
ReleaseEndDate	End date of release.
ReleaseHUC_8	8-digit (fourth-field) HUC of release site.
ReleaseLat	Latitude of the location specified in the ReleaseLocation field, in decimal degrees. Calculated using NAD83/WGS84.
ReleaseLocation	The specific location(s) where fish were released. Conforms to PSMFC Fish Facilities when available.
ReleaseLocPTcode	The MRR or INT code from PTAGIS database for this location where smolts were released.
ReleaseLong	Longitude of the location specified in the ReleaseLocation field, in decimal degrees. Calculated using NAD83/WGS84.
ReleaseRegion	General region of the release location.
ReleaseSeason	Season of release.
ReleaseStartDate	Start date of release.
ReleaseStrategy	Strategy used to liberate the majority of release group.

Term	Definition
ReleaseYear	The four-digit year in which the fish were released.
ReturnDef	How “return” is defined for this SAR estimate.
ReturnLat	Latitude of the location specified in the AdultLocation field, in decimal degrees. Calculated using NAD83/WGS84.
ReturnLat	Latitude of the location specified in the ReturnLocation field, in decimal degrees. Calculated using NAD83/WGS84.
ReturnLocation	The specific location(s) where fish returned. Conforms to PSMFC Fish Facilities.
ReturnLong	Longitude of the location specified in the AdultLocation field, in decimal degrees. Calculated using NAD83/WGS84.
ReturnLong	Longitude of the location specified in the ReturnLocation field, in decimal degrees. Calculated using NAD83/WGS84.
ReturnsMissing	Whether any adult return years for this out-migration year were missing.
ReturnsMissingExplanation	If some return data are not accounted for in the SAR estimate, explain the gap.
ReturnYear	The four digit year in which the majority of fish returned and were collected.
RMISreleaseCode	The “tag_code_or_release_id” from the releases database at RMPC (Regional Mark Processing Center).
RMISreturnCode	The <> from the catch/sample database at RMPC (Regional Mark Processing Center).
RperS	The point estimate for the ratio of recruits from the designated brood year and RperStype, divided by the number of parent spawners responsible for that brood year. Straight ratio calculation, not a log/natural log transformation.
RperSAlpha	The significance level for the RperS confidence interval, expressed as alpha.
RperSLowerLimit	The lower limit of the confidence interval for the RperS field.
RperStype	The type of recruit per spawner estimate, in terms of what fish are included in the estimates of number of spawners and number of recruits.

Term	Definition
RperUpperLimit	The upper limit of the confidence interval for the RperS field.
Run	Run of fish.
SAR	The point estimate for smolt-to-adult return rate, calculated as 100 X the point estimate of the number of returning natural origin adults, divided by the point estimate of the number of smolts that produced those returning adults.
SARAlpha	The significance level for the SAR confidence interval, expressed as alpha.
SARHatchery	The point estimate for smolt-to-adult return rate, calculated as 100 X the point estimate of the number of returning hatchery origin adults, divided by the point estimate of the number of smolts that produced those returning adults.
SARLowerLimit	The lower limit of the confidence interval for the SAR field.
SARtype	The type of return estimate, in terms of what fish are included in the estimate of total returns. See Codes/Conventions column for details.
SARUpperLimit	The upper limit of the confidence interval for the SAR field.
ScopeOfInference	Description of what this SAR represents: the specific population(s); specific ESU/DPS(s); specific MPG(s); etc. represented.
SmoltDef	How the number of smolts is defined.
SmoltEqLocation	Sampling location or location to which the estimate is applied.
SmoltEqLocationCategory	Categorization of the location given in the SmoltEqLocation field relative to the population.
SmoltEqLocPTcode	The MRR or INT code from PTAGIS database for the Smolt Equivalent Location identified in the SmoltEqLocation field for this record.
SmoltLocation	Smolt sampling location or location to which the estimate is applied.
SmoltLocPTcode	The MRR or INT code from PTAGIS database for this location where smolts were enumerated.
SpawnerLocation	Spawner sampling location or location to which the estimate is applied.

Term	Definition
SpawningLocation	The specific location(s) where fish were spawned. Conforms to PSMFC Fish Facilities.
SpawningYear	The four-digit year in which spawning of this species (and run where appropriate) began.
StartMonth	The month sampling started.
StockID	Code for the stock of hatchery fish represented by this record.
StrayFemales	The number of female hatchery origin strays from other hatcheries returning to and collected at the specified return location(s). "Hatchery origin" means the fish's parents were spawned in captivity rather than spawning naturally in the wild. Strays are hatchery origin fish that strayed from their expected return location. Strays do not include unmarked fish.
StrayJacks	The number of hatchery origin stray jacks from other hatcheries returning to and collected at the specified return location(s). "Hatchery origin" means the fish's parents were spawned in captivity rather than spawning naturally in the wild. Strays are hatchery origin fish that strayed from their expected return location. Strays do not include unmarked fish.
StrayJennies	The number of hatchery origin stray jennies from other hatcheries returning to and collected at the specified return location(s). "Hatchery origin" means the fish's parents were spawned in captivity rather than spawning naturally in the wild. Strays are hatchery origin fish that strayed from their expected return location. Strays do not include unmarked fish. A "Jenny" is the female equivalent of a jack.
StrayMales	The number of male hatchery origin strays from other hatcheries, excluding jacks, returning to and collected at the specified return location(s). "Hatchery origin" means the fish's parents were spawned in captivity rather than spawning naturally in the wild. Strays are hatchery origin fish that strayed from their expected return location. Strays do not include unmarked fish.
StraysRemoved	Are strays removed from the returns used to calculate the SAR value?
StrayTotal	The total number of hatchery origin strays from other hatcheries returning to and collected at the specified

Term	Definition
StrayUnknown	<p>return location(s). “Hatchery origin” means the fish’s parents were spawned in captivity rather than spawning naturally in the wild. Strays are hatchery origin fish that strayed from their expected return location. Strays do not include unmarked fish.</p> <p>The number of hatchery origin unsexed strays from other hatcheries returning to and collected at the specified return location(s). “Hatchery origin” means the fish’s parents were spawned in captivity rather than spawning naturally in the wild. Strays are hatchery origin fish that strayed from their expected return location. Strays do not include unmarked fish.</p>
SubmitAgency	Initials or acronym for the agency, tribe, or other entity, or name of person, that sent this record of data to the exchange network node at StreamNet.
SurveyYear	The four-digit year represented.
SurvivalRateAlpha	The significance level for the SurvivalRate confidence interval, expressed as alpha.
SurvivalRateLowerLimit	The lower limit of the confidence interval for the SurvivalRate field.
SurvivalRateUpperLimit	The upper limit of the confidence interval for the SurvivalRate field.
TAR	Total adult return. Point estimate of the number of adults returning for the first time from the indicated outmigration year, or the group of marked smolts (as appropriate), to match the outmigrants in the TSO field.
TARAlpha	The significance level for the TAR confidence interval, expressed as alpha.
TARHatchery	Total adult return. The number of hatchery origin adults returning for the first time from the indicated outmigration year, or the group of marked smolts (as appropriate), to match the outmigrants in the NumberReleased field.
TARLowerLimit	The lower limit of the confidence interval for the TAR field.
TARUpperLimit	The upper limit of the confidence interval for the TAR field.
TimeSeriesID	This field identifies the time series a record belongs to. Records with the same TimeSeriesID are grouped and

Term	Definition
	presented together on the CAX. Assigned by data compilers or regional data assemblers as appropriate.
TotalNatural	The point estimate for the number of natural origin fish of the indicated life stage at the indicated location.
TotalNaturalAlpha	The significance level for the TotalNatural confidence interval, expressed as alpha.
TotalNaturalLowerLimit	The lower limit of the confidence interval for the TotalNatural field.
TotalNaturalUpperLimit	The upper limit of the confidence interval for the TotalNatural field.
TotalReturn	The total number of fish returning to and collected at the specified return location(s).
TotalSmoltOutmigration	Total smolt outmigration. Point estimate of the number of smolts for this outmigration year, or the number of marked smolts used to calculate the SAR.
TotalSpawners	Point estimate for the total number of parent spawners, both natural and hatchery origin, that produced the brood year this record reflects.
TotalSpawnersAlpha	The significance level for the TotalSpawners confidence interval, expressed as alpha.
TotalSpawnersLowerLimit	The lower limit of the confidence interval for the TotalSpawners field.
TotalSpawnersUpperLimit	The upper limit of the confidence interval for the TotalSpawners field.
TribHarvest	The estimated number of adults and jacks from the recruit group indicated in the Recruits field that were harvested in tributaries.
TribHarvest	The estimated number of fish from the smolt group indicated in the TSO field that were harvested in tributaries. The value of the SARtype field determines whether females, males, and jacks are included here.
TSAEJ	The point estimate for total spawner abundance, excluding jacks.
TSAEJAlpha	The significance level for the TSAEJ confidence interval, expressed as alpha.
TSAEJLowerLimit	The lower limit of the confidence interval for the TSAEJ field.
TSAEJUpperLimit	The upper limit of the confidence interval for the TSAEJ

Term	Definition
	field.
TSAIJ	The point estimate for total spawner abundance, including jacks.
TSAIJAlpha	The significance level for the TSAIJ confidence interval, expressed as alpha.
TSAIJLowerLimit	The lower limit of the confidence interval for the TSAIJ field.
TSAIJUpperLimit	The upper limit of the confidence interval for the TSAIJ field.
TSOAlpha	The significance level for the TSO confidence interval, expressed as alpha.
TSOLowerLimit	The lower limit of the confidence interval for the TSO field.
TSOUpperLimit	The upper limit of the confidence interval for the TSO field.
UnmarkedFemales	The total number of unmarked (natural origin plus unmarked hatchery origin) adult females, excluding jennies, returning to and collected at the specified return location(s).
UnmarkedJacks	The total number of unmarked (natural origin plus unmarked hatchery origin) jacks returning to and collected at the specified return location(s).
UnmarkedJennies	The total number of unmarked (natural origin plus unmarked hatchery origin) jennies returning to and collected at the specified return location(s). A “Jenny” is the female equivalent of a jack.
UnmarkedMales	The total number of unmarked (natural origin plus unmarked hatchery origin) adult males, excluding jacks, returning to and collected at the specified return location(s).
UnmarkedTotal	The total number of unmarked (natural origin plus unmarked hatchery origin) fish returning to and collected at the specified return location(s).
UnmarkedUnknown	The total number of unmarked (natural origin plus unmarked hatchery origin) unsexed fish returning to and collected at the specified return location(s).
UpdDate	The date and time that the record was created or updated. For data obtained in electronic format from another source it can reflect the date and time of data

Term	Definition
WaterBody	<p data-bbox="683 243 1430 310">capture or of conversion to Coordinated Assessment/StreamNet standards.</p> <p data-bbox="683 331 1430 632">For NOSA estimates (when EstimateType = “NOSA”), the name of the body of water associated with the time series. For escapement estimates (when EstimateType = “Escapement”) the specific location of the estimate, which may include weirs, fish ladders, PIT tag detectors, sonar installations, or other sites. Escapement is the number of fish passing upstream of this location.</p>
WaterBody	<p data-bbox="683 653 1430 720">Name of the body of water associated with the time series.</p>
HarvestAdj	<p data-bbox="683 741 1430 1041">How was the return adjusted to account for harvest? (Are harvested fish included in the estimate of number of adults?) “Ocean” means fish harvested in the ocean. “Mainstem” means fish harvested in the mainstem Columbia River, including the estuary. Do not indicate “mainstem” for populations outside the Columbia Basin. “Tributaries” means streams other than the mainstem Columbia River.</p>
NOBFemales	<p data-bbox="683 1062 1430 1129">The number of unmarked (natural origin plus unmarked hatchery origin) females used in spawning.</p>
NOBJacks	<p data-bbox="683 1150 1430 1218">The number of unmarked (natural origin plus unmarked hatchery origin) jacks used in spawning.</p>
NOBMales	<p data-bbox="683 1239 1430 1339">The number of unmarked (natural origin plus unmarked hatchery origin) males used in spawning, excluding jacks.</p>
OceanHarvest	<p data-bbox="683 1360 1430 1461">The estimated number of adults and jacks from the recruit group indicated in the Recruits field that were harvested in the ocean.</p>
OceanHarvest	<p data-bbox="683 1482 1430 1629">The estimated number of fish from the smolt group indicated in the TSO field that were harvested in the ocean. The value of the SARtype field determines whether females, males, and jacks are included here.</p>
SurvivalRate	<p data-bbox="683 1650 1430 1871">The point estimate for the survival rate of fish from the life stage and trapping site indicated by the LifeStage and Location fields of this table to the outmigrant abundance estimation site indicated by the SmoltEqLocation field in the JuvenileOutmigrants table.</p>

CAP Term uses by DES and Indicator and Metric Tables.

CAP Term uses by DES and Indicator and Metric Tables. In this table, HCA = Hatchery Coordinated Assessments. NCA = Natural Coordinated Assessments.

Term	DES	Table
Abundance	NCA	PresmoltAbundance
AbundanceAlpha	NCA	PresmoltAbundance
AbundanceLowerLimit	NCA	PresmoltAbundance
AbundanceUpperLimit	NCA	PresmoltAbundance
AdultLocation	NCA	SAR
Age0Prop	NCA	JuvenileOutmigrants
Age0Prop	NCA	PresmoltAbundance
Age0PropLowerLimit	NCA	JuvenileOutmigrants
Age0PropLowerLimit	NCA	PresmoltAbundance
Age0PropUpperLimit	NCA	JuvenileOutmigrants
Age0PropUpperLimit	NCA	PresmoltAbundance
Age10Adults	NCA	RperS
Age10Prop	NCA	NOSA
Age10PropLowerLimit	NCA	NOSA
Age10PropUpperLimit	NCA	NOSA
Age11PlusAdults	NCA	RperS
Age11PlusProp	NCA	NOSA
Age11PlusPropLowerLimit	NCA	NOSA
Age11PlusPropUpperLimit	NCA	NOSA
Age1Juvs	NCA	RperS
Age1Juvs	NCA	RperS
Age1Prop	NCA	JuvenileOutmigrants
Age1Prop	NCA	PresmoltAbundance
Age1PropLowerLimit	NCA	JuvenileOutmigrants
Age1PropLowerLimit	NCA	PresmoltAbundance
Age1PropUpperLimit	NCA	JuvenileOutmigrants
Age1PropUpperLimit	NCA	PresmoltAbundance
Age2Adults	NCA	RperS
Age2Juvs	NCA	RperS
Age2Prop	NCA	NOSA
Age2Prop	NCA	JuvenileOutmigrants

Term	DES	Table
Age2Prop	NCA	PresmoltAbundance
Age2PropLowerLimit	NCA	NOSA
Age2PropLowerLimit	NCA	JuvenileOutmigrants
Age2PropLowerLimit	NCA	PresmoltAbundance
Age2PropUpperLimit	NCA	NOSA
Age2PropUpperLimit	NCA	JuvenileOutmigrants
Age2PropUpperLimit	NCA	PresmoltAbundance
Age3Adults	NCA	RperS
Age3Juvs	NCA	RperS
Age3Prop	NCA	NOSA
Age3Prop	NCA	JuvenileOutmigrants
Age3Prop	NCA	PresmoltAbundance
Age3PropLowerLimit	NCA	NOSA
Age3PropLowerLimit	NCA	JuvenileOutmigrants
Age3PropLowerLimit	NCA	PresmoltAbundance
Age3PropUpperLimit	NCA	NOSA
Age3PropUpperLimit	NCA	JuvenileOutmigrants
Age3PropUpperLimit	NCA	PresmoltAbundance
Age4Adults	NCA	RperS
Age4PlusJuvs	NCA	RperS
Age4PlusProp	NCA	JuvenileOutmigrants
Age4PlusProp	NCA	PresmoltAbundance
Age4PlusPropLowerLimit	NCA	JuvenileOutmigrants
Age4PlusPropLowerLimit	NCA	PresmoltAbundance
Age4PlusPropUpperLimit	NCA	JuvenileOutmigrants
Age4PlusPropUpperLimit	NCA	PresmoltAbundance
Age4Prop	NCA	NOSA
Age4PropLowerLimit	NCA	NOSA
Age4PropUpperLimit	NCA	NOSA
Age5Adults	NCA	RperS
Age5Prop	NCA	NOSA
Age5PropLowerLimit	NCA	NOSA
Age5PropUpperLimit	NCA	NOSA
Age6Adults	NCA	RperS

Term	DES	Table
Age6Prop	NCA	NOSA
Age6PropLowerLimit	NCA	NOSA
Age6PropUpperLimit	NCA	NOSA
Age7Adults	NCA	RperS
Age7Prop	NCA	NOSA
Age7PropLowerLimit	NCA	NOSA
Age7PropUpperLimit	NCA	NOSA
Age8Adults	NCA	RperS
Age8Prop	NCA	NOSA
Age8PropLowerLimit	NCA	NOSA
Age8PropUpperLimit	NCA	NOSA
Age9Adults	NCA	RperS
Age9Prop	NCA	NOSA
Age9PropLowerLimit	NCA	NOSA
Age9PropUpperLimit	NCA	NOSA
AgePropAlpha	NCA	NOSA
AgePropAlpha	NCA	JuvenileOutmigrants
AgePropAlpha	NCA	PresmoltAbundance
AvgLength	HCA	HatcheryReleases
AvgLength	HCA	SAR_Hatchery
AvgWeight	HCA	HatcheryReleases
AvgWeight	HCA	SAR_Hatchery
BestValue	NCA	JuvenileOutmigrants
BestValue	NCA	NOSA
BestValue	NCA	PNI
BestValue	NCA	PresmoltAbundance
BestValue	NCA	SAR
BestValue	NCA	RperS
BPAprojNum	HCA	SAR_Hatchery
BPAprojNum	HCA	HatcheryReturns
BPAprojNum	HCA	BroodstockSpawning
BPAprojNum	HCA	HatcheryReleases
BroodFemales	HCA	BroodstockSpawning
BroodJacks	HCA	BroodstockSpawning

Term	DES	Table
BroodMales	HCA	BroodstockSpawning
BroodStockRemoved	NCA	SAR
BroodYear	HCA	BroodstockSpawning
BroodYear	HCA	HatcheryReleases
BroodYear	HCA	SAR_Hatchery
BroodYear	NCA	RperS
Comments	NCA	NOSA
Comments	NCA	SAR
Comments	NCA	RperS
Comments	NCA	JuvenileOutmigrants
Comments	NCA	PresmoltAbundance
Comments	NCA	PNI
Comments	HCA	HatcheryReturns
Comments	HCA	BroodstockSpawning
Comments	NCA	JuvenileOutmigrantsDetail
Comments	HCA	HatcheryReleases
Comments	HCA	SAR_Hatchery
CommonName	HCA	HatcheryReturns
CommonName	HCA	BroodstockSpawning
CommonName	HCA	HatcheryReleases
CommonName	HCA	SAR_Hatchery
CommonName	NCA	NOSA
CommonName	NCA	SAR
CommonName	NCA	RperS
CommonName	NCA	JuvenileOutmigrants
CommonName	NCA	PresmoltAbundance
CommonName	NCA	PNI
CommonPopName	NCA	NOSA
CommonPopName	NCA	SAR
CommonPopName	NCA	RperS
CommonPopName	NCA	JuvenileOutmigrants
CommonPopName	NCA	PresmoltAbundance
CommonPopName	NCA	PNI
CompilerRecordID	NCA	NOSA

Term	DES	Table
CompilerRecordID	NCA	SAR
CompilerRecordID	NCA	RperS
CompilerRecordID	NCA	JuvenileOutmigrants
CompilerRecordID	NCA	JuvenileOutmigrantsDetail
CompilerRecordID	NCA	PresmoltAbundance
CompilerRecordID	NCA	PNI
CompilerRecordID	HCA	HatcheryReturns
CompilerRecordID	HCA	BroodstockSpawning
CompilerRecordID	HCA	HatcheryReleases
CompilerRecordID	HCA	SAR_Hatchery
ContactAgency	NCA	NOSA
ContactAgency	NCA	SAR
ContactAgency	NCA	RperS
ContactAgency	NCA	JuvenileOutmigrants
ContactAgency	NCA	JuvenileOutmigrantsDetail
ContactAgency	NCA	PresmoltAbundance
ContactAgency	NCA	PNI
ContactAgency	HCA	HatcheryReturns
ContactAgency	HCA	BroodstockSpawning
ContactAgency	HCA	HatcheryReleases
ContactAgency	HCA	SAR_Hatchery
ContactEmail	HCA	HatcheryReturns
ContactEmail	HCA	BroodstockSpawning
ContactEmail	HCA	HatcheryReleases
ContactEmail	HCA	SAR_Hatchery
ContactEmail	NCA	NOSA
ContactEmail	NCA	SAR
ContactEmail	NCA	RperS
ContactEmail	NCA	JuvenileOutmigrants
ContactEmail	NCA	PresmoltAbundance
ContactEmail	NCA	PNI
ContactPersonFirst	HCA	HatcheryReturns
ContactPersonFirst	HCA	BroodstockSpawning
ContactPersonFirst	HCA	HatcheryReleases

Term	DES	Table
ContactPersonFirst	HCA	SAR_Hatchery
ContactPersonFirst	NCA	NOSA
ContactPersonFirst	NCA	SAR
ContactPersonFirst	NCA	RperS
ContactPersonFirst	NCA	JuvenileOutmigrants
ContactPersonFirst	NCA	PresmoltAbundance
ContactPersonFirst	NCA	PNI
ContactPersonLast	HCA	HatcheryReturns
ContactPersonLast	HCA	BroodstockSpawning
ContactPersonLast	HCA	HatcheryReleases
ContactPersonLast	HCA	SAR_Hatchery
ContactPersonLast	NCA	NOSA
ContactPersonLast	NCA	SAR
ContactPersonLast	NCA	RperS
ContactPersonLast	NCA	JuvenileOutmigrants
ContactPersonLast	NCA	PresmoltAbundance
ContactPersonLast	NCA	PNI
ContactPhone	HCA	HatcheryReturns
ContactPhone	HCA	BroodstockSpawning
ContactPhone	HCA	HatcheryReleases
ContactPhone	HCA	SAR_Hatchery
ContactPhone	NCA	NOSA
ContactPhone	NCA	SAR
ContactPhone	NCA	RperS
ContactPhone	NCA	JuvenileOutmigrants
ContactPhone	NCA	PresmoltAbundance
ContactPhone	NCA	PNI
DataEntry	NCA	NOSA
DataEntry	NCA	SAR
DataEntry	NCA	RperS
DataEntry	NCA	JuvenileOutmigrants
DataEntry	NCA	JuvenileOutmigrantsDetail
DataEntry	NCA	PresmoltAbundance
DataEntry	NCA	PNI

Term	DES	Table
DataEntry	HCA	HatcheryReturns
DataEntry	HCA	BroodstockSpawning
DataEntry	HCA	HatcheryReleases
DataEntry	HCA	SAR_Hatchery
DataEntryNotes	HCA	HatcheryReturns
DataEntryNotes	HCA	BroodstockSpawning
DataEntryNotes	HCA	HatcheryReleases
DataEntryNotes	HCA	SAR_Hatchery
DataEntryNotes	NCA	NOSA
DataEntryNotes	NCA	SAR
DataEntryNotes	NCA	RperS
DataEntryNotes	NCA	JuvenileOutmigrants
DataEntryNotes	NCA	JuvenileOutmigrantsDetail
DataEntryNotes	NCA	PresmoltAbundance
DataEntryNotes	NCA	PNI
DataStatus	HCA	HatcheryReturns
DataStatus	HCA	BroodstockSpawning
DataStatus	HCA	HatcheryReleases
DataStatus	HCA	SAR_Hatchery
DataStatus	NCA	NOSA
DataStatus	NCA	SAR
DataStatus	NCA	RperS
DataStatus	NCA	JuvenileOutmigrants
DataStatus	NCA	PresmoltAbundance
DataStatus	NCA	PNI
EndMonth	NCA	PresmoltAbundance
ESAListed	NCA	PNI
EscapementLat	NCA	NOSA
EscapementLong	NCA	NOSA
EscapementTiming	NCA	NOSA
EstimateType	NCA	NOSA
ESU_DPS	NCA	PNI
ESU_DPS	NCA	NOSA
ESU_DPS	NCA	SAR

Term	DES	Table
ESU_DPS	NCA	RperS
ESU_DPS	NCA	JuvenileOutmigrants
ESU_DPS	NCA	PresmoltAbundance
FishPerPound	HCA	SAR_Hatchery
FishPerPound	HCA	HatcheryReleases
GeneralApproach	NCA	PresmoltAbundance
HatcheryFacilityName	NCA	PNI
HatcheryFacilityName	HCA	HatcheryReturns
HatcheryFacilityName	HCA	BroodstockSpawning
HatcheryFacilityName	HCA	HatcheryReleases
HatcheryFacilityName	HCA	SAR_Hatchery
HatcheryFemales	HCA	HatcheryReturns
HatcheryJacks	HCA	HatcheryReturns
HatcheryJennies	HCA	HatcheryReturns
HatcheryMales	HCA	HatcheryReturns
HatcheryProgramID	HCA	HatcheryReturns
HatcheryProgramID	HCA	BroodstockSpawning
HatcheryProgramID	HCA	HatcheryReleases
HatcheryProgramID	HCA	SAR_Hatchery
HatcheryProgramName	NCA	PNI
HatcheryProgramType	NCA	PNI
HatcheryReleasesAffiliatedPopID	HCA	HatcheryReleases
HatcheryReturnsAffiliatedPopID	HCA	HatcheryReturns
HatcherySpawners	NCA	RperS
HatcherySpawnersAlpha	NCA	RperS
HatcherySpawnersLowerLimit	NCA	RperS
HatcherySpawnersUpperLimit	NCA	RperS
HatcheryStockName	NCA	PNI
HatcheryTotal	HCA	HatcheryReturns
HatcheryUnknown	HCA	HatcheryReturns
HOBFemales	HCA	BroodstockSpawning
HOBJacks	HCA	BroodstockSpawning
HOBMales	HCA	BroodstockSpawning
HOSAEJ	NCA	PNI

Term	DES	Table
HOSAIJ	NCA	PNI
HOSEJH	NCA	PNI
HOSIJH	NCA	PNI
HOSJF	NCA	NOSA
ID	HCA	HatcheryReturns
ID	HCA	BroodstockSpawning
ID	HCA	HatcheryReleases
ID	HCA	SAR_Hatchery
ID	NCA	RperS
ID	NCA	NOSA
ID	NCA	SAR
ID	NCA	JuvenileOutmigrants
ID	NCA	JuvenileOutmigrantsDetail
ID	NCA	PresmoltAbundance
ID	NCA	PNI
IndicatorDataSource	HCA	HatcheryReleases
IndicatorDataSource	HCA	HatcheryReturns
IndicatorDataSource	HCA	BroodstockSpawning
IndicatorDataSource	HCA	SAR_Hatchery
IndicatorDataSource	NCA	NOSA
IndicatorDataSource	NCA	SAR
IndicatorDataSource	NCA	RperS
IndicatorDataSource	NCA	JuvenileOutmigrants
IndicatorDataSource	NCA	PresmoltAbundance
IndicatorDataSource	NCA	PNI
JuvenileOutmigrantsID	NCA	JuvenileOutmigrantsDetail
LengthType	HCA	HatcheryReleases
LengthType	HCA	SAR_Hatchery
LifeStage	NCA	JuvenileOutmigrantsDetail
LifeStage	HCA	HatcheryReleases
Location	NCA	JuvenileOutmigrantsDetail
LocPTcode	NCA	JuvenileOutmigrantsDetail
MainstemHarvest	NCA	RperS
MainstemHarvest	NCA	SAR

Term	DES	Table
MajorPopGroup	NCA	PNI
MajorPopGroup	NCA	NOSA
MajorPopGroup	NCA	SAR
MajorPopGroup	NCA	RperS
MajorPopGroup	NCA	PresmoltAbundance
MajorPopGroup	NCA	JuvenileOutmigrants
MeasureDataSource	HCA	SAR_Hatchery
MeasureDataSource	HCA	HatcheryReleases
MeasureDataSource	HCA	HatcheryReturns
MeasureDataSource	HCA	BroodstockSpawning
MeasureDataSource	NCA	NOSA
MeasureDataSource	NCA	SAR
MeasureDataSource	NCA	RperS
MeasureDataSource	NCA	PresmoltAbundance
MeasureDataSource	NCA	PNI
MeasureDataSource	NCA	JuvenileOutmigrantsDetail
MetaComments	NCA	NOSA
MetaComments	NCA	SAR
MetaComments	NCA	RperS
MetaComments	NCA	JuvenileOutmigrants
MetaComments	NCA	PresmoltAbundance
MetaComments	NCA	PNI
MetaComments	HCA	HatcheryReturns
MetaComments	HCA	BroodstockSpawning
MetaComments	HCA	HatcheryReleases
MetaComments	HCA	SAR_Hatchery
MethodAdjustments	NCA	NOSA
MethodAdjustments	NCA	SAR
MethodAdjustments	NCA	RperS
MethodAdjustments	NCA	JuvenileOutmigrants
MethodAdjustments	NCA	PresmoltAbundance
MethodAdjustments	NCA	PNI
MethodAdjustments	HCA	HatcheryReturns
MethodAdjustments	HCA	BroodstockSpawning

Term	DES	Table
MethodAdjustments	HCA	HatcheryReleases
MethodAdjustments	HCA	SAR_Hatchery
MethodNumber	NCA	JuvenileOutmigrants
MethodNumber	NCA	NOSA
MethodNumber	NCA	PresmoltAbundance
MethodNumber	NCA	PNI
MethodNumber	NCA	SAR
MethodNumber	NCA	RperS
MetricDataSource	NCA	NOSA
MetricDataSource	NCA	SAR
MetricDataSource	NCA	RperS
MetricDataSource	NCA	PresmoltAbundance
MetricDataSource	NCA	PNI
MetricDataSource	NCA	JuvenileOutmigrantsDetail
MetricDataSource	HCA	SAR_Hatchery
NaturalTotal	HCA	HatcheryReturns
NOBroodStockRemoved	NCA	RperS
NOBroodStockRemoved	NCA	NOSA
NOSAEJ	NCA	PNI
NOSAEJ	NCA	NOSA
NOSAEJAlpha	NCA	NOSA
NOSAEJLowerLimit	NCA	NOSA
NOSAEJUpperLimit	NCA	NOSA
NOSAIJ	NCA	PNI
NOSAIJ	NCA	NOSA
NOSAIJAlpha	NCA	NOSA
NOSAIJLowerLimit	NCA	NOSA
NOSAIJUpperLimit	NCA	NOSA
NOSEJH	NCA	PNI
NOSIJH	NCA	PNI
NOSJF	NCA	NOSA
NOSJFAlpha	NCA	NOSA
NOSJFLowerLimit	NCA	NOSA
NOSJFUpperLimit	NCA	NOSA

Term	DES	Table
NullRecord	NCA	JuvenileOutmigrantsDetail
NullRecord	NCA	NOSA
NullRecord	NCA	SAR
NullRecord	NCA	RperS
NullRecord	NCA	JuvenileOutmigrants
NullRecord	NCA	PresmoltAbundance
NullRecord	NCA	PNI
NullRecord	HCA	HatcheryReturns
NullRecord	HCA	BroodstockSpawning
NullRecord	HCA	HatcheryReleases
NullRecord	HCA	SAR_Hatchery
NumberReleased	HCA	HatcheryReleases
NumberReleased	HCA	SAR_Hatchery
OtherDataSources	HCA	HatcheryReturns
OtherDataSources	HCA	BroodstockSpawning
OtherDataSources	HCA	HatcheryReleases
OtherDataSources	HCA	SAR_Hatchery
OtherDataSources	NCA	NOSA
OtherDataSources	NCA	SAR
OtherDataSources	NCA	RperS
OtherDataSources	NCA	JuvenileOutmigrants
OtherDataSources	NCA	PresmoltAbundance
OtherDataSources	NCA	PNI
OutmigrationYear	NCA	SAR
OutmigrationYear	NCA	JuvenileOutmigrants
OutmigrationYear	HCA	SAR_Hatchery
pHOBEJ	HCA	BroodstockSpawning
pHOBIJ	HCA	BroodstockSpawning
pHOSej	NCA	NOSA
pHOSejAlpha	NCA	NOSA
pHOSejLowerLimit	NCA	NOSA
pHOSejUpperLimit	NCA	NOSA
pHOSij	NCA	NOSA
pHOSijAlpha	NCA	NOSA

Term	DES	Table
pHOSijLowerLimit	NCA	NOSA
pHOSijUpperLimit	NCA	NOSA
PNIEJ	NCA	PNI
PNIIJ	NCA	PNI
pNOBEJ	HCA	BroodstockSpawning
pNOBIJ	HCA	BroodstockSpawning
PopFit	NCA	PresmoltAbundance
PopFit	NCA	JuvenileOutmigrants
PopFit	NCA	NOSA
PopFit	NCA	PNI
PopFit	NCA	RperS
PopFit	NCA	SAR
PopFitNotes	NCA	JuvenileOutmigrants
PopFitNotes	NCA	PresmoltAbundance
PopFitNotes	NCA	NOSA
PopFitNotes	NCA	PNI
PopFitNotes	NCA	RperS
PopFitNotes	NCA	SAR
PopID	NCA	NOSA
PopID	NCA	SAR
PopID	NCA	RperS
PopID	NCA	JuvenileOutmigrants
PopID	NCA	PresmoltAbundance
PopID	NCA	PNI
PrimaryOperator	HCA	HatcheryReturns
PrimaryOperator	HCA	BroodstockSpawning
PrimaryOperator	HCA	HatcheryReleases
PrimaryOperator	HCA	SAR_Hatchery
ProtMethDocumentation	NCA	NOSA
ProtMethDocumentation	NCA	SAR
ProtMethDocumentation	NCA	RperS
ProtMethDocumentation	NCA	JuvenileOutmigrants
ProtMethDocumentation	NCA	PresmoltAbundance
ProtMethDocumentation	NCA	PNI

Term	DES	Table
ProtMethDocumentation	HCA	HatcheryReturns
ProtMethDocumentation	HCA	BroodstockSpawning
ProtMethDocumentation	HCA	HatcheryReleases
ProtMethDocumentation	HCA	SAR_Hatchery
ProtMethName	HCA	HatcheryReturns
ProtMethName	HCA	BroodstockSpawning
ProtMethName	HCA	HatcheryReleases
ProtMethName	HCA	SAR_Hatchery
ProtMethName	NCA	NOSA
ProtMethName	NCA	SAR
ProtMethName	NCA	RperS
ProtMethName	NCA	JuvenileOutmigrants
ProtMethName	NCA	PresmoltAbundance
ProtMethName	NCA	PNI
ProtMethURL	HCA	HatcheryReturns
ProtMethURL	HCA	BroodstockSpawning
ProtMethURL	HCA	HatcheryReleases
ProtMethURL	HCA	SAR_Hatchery
ProtMethURL	NCA	NOSA
ProtMethURL	NCA	SAR
ProtMethURL	NCA	RperS
ProtMethURL	NCA	JuvenileOutmigrants
ProtMethURL	NCA	PresmoltAbundance
ProtMethURL	NCA	PNI
PTAGISreleaseCode	HCA	HatcheryReleases
PTAGISreleaseCode	HCA	HatcheryReturns
Publish	HCA	HatcheryReturns
Publish	HCA	BroodstockSpawning
Publish	HCA	HatcheryReleases
Publish	HCA	SAR_Hatchery
Publish	NCA	NOSA
Publish	NCA	SAR
Publish	NCA	RperS
Publish	NCA	JuvenileOutmigrants

Term	DES	Table
Publish	NCA	JuvenileOutmigrantsDetail
Publish	NCA	PresmoltAbundance
Publish	NCA	PNI
RearingType	NCA	SAR
RecoveryDomain	NCA	NOSA
RecoveryDomain	NCA	SAR
RecoveryDomain	NCA	RperS
RecoveryDomain	NCA	JuvenileOutmigrants
RecoveryDomain	NCA	PresmoltAbundance
RecoveryDomain	NCA	PNI
RecruitDef	NCA	RperS
RecruitLocation	NCA	RperS
Recruits	NCA	RperS
RecruitsAlpha	NCA	RperS
RecruitsLowerLimit	NCA	RperS
RecruitsMissing	NCA	RperS
RecruitsMissingExplanation	NCA	RperS
RecruitsUpperLimit	NCA	RperS
RefID	HCA	HatcheryReturns
RefID	HCA	BroodstockSpawning
RefID	HCA	HatcheryReleases
RefID	HCA	SAR_Hatchery
RefID	NCA	NOSA
RefID	NCA	SAR
RefID	NCA	RperS
RefID	NCA	JuvenileOutmigrants
RefID	NCA	JuvenileOutmigrantsDetail
RefID	NCA	PresmoltAbundance
RefID	NCA	PNI
ReleaseDef	HCA	SAR_Hatchery
ReleaseEndDate	HCA	HatcheryReleases
ReleaseHUC_8	HCA	HatcheryReleases
ReleaseHUC_8	HCA	SAR_Hatchery
ReleaseLat	HCA	HatcheryReleases

Term	DES	Table
ReleaseLat	HCA	SAR_Hatchery
ReleaseLocation	HCA	HatcheryReleases
ReleaseLocation	HCA	SAR_Hatchery
ReleaseLocPTcode	HCA	SAR_Hatchery
ReleaseLong	HCA	HatcheryReleases
ReleaseLong	HCA	SAR_Hatchery
ReleaseRegion	HCA	HatcheryReleases
ReleaseRegion	HCA	SAR_Hatchery
ReleaseSeason	HCA	HatcheryReleases
ReleaseSeason	HCA	SAR_Hatchery
ReleaseStartDate	HCA	HatcheryReleases
ReleaseStrategy	HCA	HatcheryReleases
ReleaseYear	HCA	HatcheryReleases
ReleaseYear	HCA	SAR_Hatchery
ReturnDef	NCA	SAR
ReturnDef	HCA	SAR_Hatchery
ReturnLat	HCA	SAR_Hatchery
ReturnLat	HCA	HatcheryReturns
ReturnLocation	HCA	HatcheryReturns
ReturnLocation	HCA	SAR_Hatchery
ReturnLong	HCA	SAR_Hatchery
ReturnLong	HCA	HatcheryReturns
ReturnsMissing	HCA	SAR_Hatchery
ReturnsMissing	NCA	SAR
ReturnsMissingExplanation	NCA	SAR
ReturnsMissingExplanation	HCA	SAR_Hatchery
ReturnYear	HCA	HatcheryReturns
RMISreleaseCode	HCA	HatcheryReleases
RMISreturnCode	HCA	HatcheryReturns
RperS	NCA	RperS
RperSAlpha	NCA	RperS
RperSLowerLimit	NCA	RperS
RperStype	NCA	RperS
RperSUpperLimit	NCA	RperS

Term	DES	Table
Run	NCA	NOSA
Run	NCA	SAR
Run	NCA	RperS
Run	NCA	JuvenileOutmigrants
Run	NCA	PresmoltAbundance
Run	NCA	PNI
Run	HCA	HatcheryReturns
Run	HCA	BroodstockSpawning
Run	HCA	HatcheryReleases
Run	HCA	SAR_Hatchery
SAR	NCA	SAR
SARAlpha	NCA	SAR
SARHatchery	HCA	SAR_Hatchery
SARLowerLimit	NCA	SAR
SARtype	NCA	SAR
SARtype	HCA	SAR_Hatchery
SARUpperLimit	NCA	SAR
ScopeOfInference	NCA	SAR
SmoltDef	NCA	SAR
SmoltEqLocation	NCA	JuvenileOutmigrants
SmoltEqLocationCategory	NCA	JuvenileOutmigrants
SmoltEqLocPTcode	NCA	JuvenileOutmigrants
SmoltLocation	NCA	SAR
SmoltLocPTcode	NCA	SAR
SpawnerLocation	NCA	RperS
SpawningLocation	HCA	BroodstockSpawning
SpawningYear	NCA	NOSA
SpawningYear	NCA	PNI
StartMonth	NCA	PresmoltAbundance
StockID	HCA	HatcheryReturns
StockID	HCA	BroodstockSpawning
StockID	HCA	HatcheryReleases
StockID	HCA	SAR_Hatchery
StrayFemales	HCA	HatcheryReturns

Term	DES	Table
StrayJacks	HCA	HatcheryReturns
StrayJennies	HCA	HatcheryReturns
StrayMales	HCA	HatcheryReturns
StraysRemoved	HCA	SAR_Hatchery
StrayTotal	HCA	HatcheryReturns
StrayUnknown	HCA	HatcheryReturns
SubmitAgency	NCA	NOSA
SubmitAgency	NCA	SAR
SubmitAgency	NCA	RperS
SubmitAgency	NCA	JuvenileOutmigrants
SubmitAgency	NCA	JuvenileOutmigrantsDetail
SubmitAgency	NCA	PresmoltAbundance
SubmitAgency	NCA	PNI
SubmitAgency	HCA	HatcheryReturns
SubmitAgency	HCA	BroodstockSpawning
SubmitAgency	HCA	HatcheryReleases
SubmitAgency	HCA	SAR_Hatchery
SurveyYear	NCA	PresmoltAbundance
SurvivalRateAlpha	NCA	JuvenileOutmigrantsDetail
SurvivalRateLowerLimit	NCA	JuvenileOutmigrantsDetail
SurvivalRateUpperLimit	NCA	JuvenileOutmigrantsDetail
TAR	NCA	SAR
TARAlpha	NCA	SAR
TARHatchery	HCA	SAR_Hatchery
TARLowerLimit	NCA	SAR
TARUpperLimit	NCA	SAR
TimeSeriesID	NCA	NOSA
TimeSeriesID	NCA	SAR
TimeSeriesID	NCA	RperS
TimeSeriesID	NCA	JuvenileOutmigrants
TimeSeriesID	NCA	PresmoltAbundance
TimeSeriesID	NCA	PNI
TimeSeriesID	HCA	HatcheryReturns
TimeSeriesID	HCA	BroodstockSpawning

Term	DES	Table
TimeSeriesID	HCA	HatcheryReleases
TimeSeriesID	HCA	SAR_Hatchery
TotalNatural	NCA	JuvenileOutmigrantsDetail
TotalNatural	NCA	JuvenileOutmigrants
TotalNaturalAlpha	NCA	JuvenileOutmigrants
TotalNaturalAlpha	NCA	JuvenileOutmigrantsDetail
TotalNaturalLowerLimit	NCA	JuvenileOutmigrants
TotalNaturalLowerLimit	NCA	JuvenileOutmigrantsDetail
TotalNaturalUpperLimit	NCA	JuvenileOutmigrants
TotalNaturalUpperLimit	NCA	JuvenileOutmigrantsDetail
TotalReturn	HCA	HatcheryReturns
TotalSmoltOutmigration	NCA	SAR
TotalSpawners	NCA	RperS
TotalSpawnersAlpha	NCA	RperS
TotalSpawnersLowerLimit	NCA	RperS
TotalSpawnersUpperLimit	NCA	RperS
TribHarvest	NCA	RperS
TribHarvest	NCA	SAR
TSAEJ	NCA	NOSA
TSAEJAlpha	NCA	NOSA
TSAEJLowerLimit	NCA	NOSA
TSAEJUpperLimit	NCA	NOSA
TSAIJ	NCA	NOSA
TSAIJAlpha	NCA	NOSA
TSAIJLowerLimit	NCA	NOSA
TSAIJUpperLimit	NCA	NOSA
TSOAlpha	NCA	SAR
TSOLowerLimit	NCA	SAR
TSOUpperLimit	NCA	SAR
UnmarkedFemales	HCA	HatcheryReturns
UnmarkedJacks	HCA	HatcheryReturns
UnmarkedJennies	HCA	HatcheryReturns
UnmarkedMales	HCA	HatcheryReturns
UnmarkedTotal	HCA	HatcheryReturns

Term	DES	Table
UnmarkedUnknown	HCA	HatcheryReturns
UpdDate	NCA	NOSA
UpdDate	NCA	SAR
UpdDate	NCA	RperS
UpdDate	NCA	JuvenileOutmigrants
UpdDate	NCA	JuvenileOutmigrantsDetail
UpdDate	NCA	PresmoltAbundance
UpdDate	NCA	PNI
UpdDate	HCA	HatcheryReturns
UpdDate	HCA	BroodstockSpawning
UpdDate	HCA	HatcheryReleases
UpdDate	HCA	SAR_Hatchery
WaterBody	NCA	NOSA
WaterBody	NCA	PresmoltAbundance
HarvestAdj	NCA	SAR
HarvestAdj	NCA	RperS
NOBFemales	HCA	BroodstockSpawning
NOBJacks	HCA	BroodstockSpawning
NOBMales	HCA	BroodstockSpawning
OceanHarvest	NCA	RperS
OceanHarvest	NCA	SAR
SurvivalRate	NCA	JuvenileOutmigrantsDetail

CAP Metadata or Information fields and tables not included in this review.

In this table, “All” means used in all tables of all DESs and “NA” means terms and definitions provided within the DES documents, but outside of the DES indicator and metric tables. HCA = Hatchery Coordinated Assessments DES. NCA = Natural Coordinated Assessments DES.

CAP Metadata or Information fields and tables not included in this review.

DES	Table	FieldName	FieldDescription
HCA	HatcheryStock	ID	Value used by computer to identify a record.
HCA	HatcheryStock	StockID	Code for the stock of hatchery fish represented by

DES	Table	FieldName	FieldDescription
			this record.
HCA	HatcheryStock	HatcheryStockName	Name for the stock of hatchery fish represented by this record.
HCA	HatcheryStock	CommonName	Common name of the taxon of fish.
HCA	HatcheryStock	Run	Run of fish.
HCA	HatcheryStock	ContactAgency	Agency, tribe, or other entity that identified/defined this stock.
HCA	HatcheryStock	AgencyStockName	Name of the stock used by the contact agency.
HCA	HatcheryStock	AgencyStockCode	Code of the stock used by the contact agency.
HCA	HatcheryStock	Comments about the data	NA
HCA	HatcheryStock	Comments	Any issues, problems, questions about this record that were not already captured in other places.
HCA	HatcheryXHatcheryStock	ID	Value used by computer to identify a record.
HCA	HatcheryXHatcheryStock	HatcheryFacilityName	The central facility where the majority of production occurs for a specific group of hatchery fish.
HCA	HatcheryXHatcheryStock	StockID	Code for the stock of hatchery fish represented by this record.
HCA	HatcheryXHatcheryStock	ESAlisted	Flag indicating whether the hatchery fish are part of the ESU or DPS in which it falls geographically.
HCA	HatcheryXHatcheryStock	PopID	If the hatchery stock is listed as Threatened, Endangered, or Reintroduced 10j under the federal ESA, this is the PopID for the natural population it is part of.

DES	Table	FieldName	FieldDescription
HCA	HatcheryXHatcheryStock	ContactAgency	Agency, tribe, or other entity that identified/defined this hatchery X stock combination.
HCA	HatcheryXHatcheryStock	Comments	Any issues, problems, questions about this record that were not already captured in other places.
HCA	HatcheryProgram	ID	Value used by computer to identify a record.
HCA	HatcheryProgram	HatcheryProgramID	StreamNet-defined code for the hatchery program represented by this record.
HCA	HatcheryProgram	HatcheryProgramName	A concerted set of artificial production activities that may span multiple locations such as hatchery facilities and acclimation sites, and generally focus on one species of fish or population to address harvest supplementation, mitigation, conservation, or recovery needs.
HCA	HatcheryProgram	HatcheryFacilityName	The central facility where the majority of production occurs for a specific group of hatchery fish.
HCA	HatcheryProgram	StockID	Code for the stock of hatchery fish represented by this record.
HCA	HatcheryProgram	CommonName	Common name of the taxon of fish.
HCA	HatcheryProgram	Run	Run of fish.
HCA	HatcheryProgram	HatcheryProgramType	Purpose of the hatchery program this record represents.
HCA	HatcheryProgram	HatcheryProgramUse	Primary management purpose for which the hatchery fish are produced

DES	Table	FieldName	FieldDescription
			under this program.
HCA	HatcheryProgram	Authorizations	The legal authorization(s) or mandate(s) directing funding of the hatchery program.
HCA	HatcheryProgram	FundingSource	The major source(s) of funding which are often associated with the legal authorization(s) or mandate(s).
HCA	HatcheryProgram	ContactAgency	Agency, tribe, or other entity, or person responsible for these data that is the best contact for questions that may arise about this data record.
HCA	HatcheryProgram	Comments	Any issues, problems, questions about this record that were not already captured in other places.
CA	TimeSeriesInfo	ID	Value used by computer to identify a record.
CA	TimeSeriesInfo	TimeSeriesID	StreamNet-defined code for the time series represented by this record.
CA	TimeSeriesInfo	TimeSeriesStatus	Whether the time series is updated every year or, if not, the reason it is not reported.
CA	TimeSeriesInfo	Comments	Any issues, problems, questions about this record that were not already captured in other places.
CA	TimeSeriesInfo	UpdDate	The date and time that the record was created or updated. For data obtained in electronic format from another source it can reflect the date and time of data capture or of conversion to Coordinated Assessment/StreamNet

DES	Table	FieldName	FieldDescription
			standards.
CA	TimeSeriesInfo	CompilerRecordID	Agency record ID maintained by the data submitter.
CA	All	SubmitAgency	Initials or acronym for the agency, tribe, or other entity, or name of person, that sent this record of data to the exchange network node at StreamNet.
CA	All	RefID	The unique StreamNet reference ID number that identifies the source document or database from which the record was obtained.
CA	All	UpdDate	The date and time that the record was created or updated. For data obtained in electronic format from another source it can reflect the date and time of data capture or of conversion to Coordinated Assessment/StreamNet standards.
CA	All	DataEntry	Compiler's name.
CA	All	DataEntryNotes	Notes about this record by the compiler identified in the "DataEntry" field.
CA	All	CompilerRecordID	Agency record ID maintained by the data submitter.
CA	All	Publish	Yes/no value indicating whether this record should be shared freely with all public users via the Exchange Network. If "No" then the record can only be accessed by using the apikey that created it.
CA	NA	Spawner abundance	Number of fish that actually

DES	Table	FieldName	FieldDescription
			spawn, not necessarily the number of fish returning to a spawning area.
CA	NA	Escapement	Number of fish that return to a specific spot(s) on their migration to spawn.
CA	NA	Presmolt abundance	Number of juvenile fish in a population. Usually late summer parr, but may be any time and stage.
CA	NA	Number of outmigrants	Number of fish passing a defined point as they migrate downstream.
CA	NA	Smolt to adult return rate (percentage)	100 X the point estimate of the number of returning adults, divided by the number of smolts that produced those returning adults.
CA	NA	Recruits per spawner	Recruit per spawner ratios are specific to the locations and seasons described in each record of data. The number of "recruits" can be defined at any life stage.
CA	NA	Proportionate natural influence (PNI) of integrated natural / hatchery populations	Estimate of the relative selection pressure of the natural environment in an integrated natural / hatchery population.
CA	NA	Hatchery returns	Number of fish that return to a hatchery facility.
CA	NA	Broodstock spawned	Number of fish spawned in a hatchery.
CA	NA	Hatchery releases	Number of fish released from a hatchery.
CA	NA	Smolt to adult return rate (percentage)	100 X the point estimate of the number of returning adults, divided by the number of smolts that

DES	Table	FieldName	FieldDescription
			produced those returning adults.
NCA	Populations	ID	StreamNet-defined code for the population (or superpopulation) of fish represented by this record.
NCA	Populations	PopTypeID	Code for whether the record is for a single population or a superpopulation.
NCA	Populations	CommonName	Common name of the taxon of fish.
NCA	Populations	Run	Run(s) of fish.
NCA	Populations	RecoveryDomain	Name of the “recovery domain,” as defined by the NMFS Northwest Region, in which the population falls geographically.
NCA	Populations	ESU_DPS	For populations listed under the federal ESA, this is the name of a defined Evolutionarily Significant Unit (ESU) or Distinct Population Segment (DPS) as defined by NMFS Northwest Region or by USFWS. For non-listed populations this is the DPS or other name.
NCA	Populations	MajorPopGroup	Name of “major population group” (MPG) or ?stratum? as defined by the NMFS Northwest Region, in which the population falls.
NCA	Populations	PopulationName	Name of the population (or superpopulation).
NCA	Populations	ContactAgency	Agency, tribe, or other entity that requested this population be added to the list.
NCA	Populations	RecordNote	Information about the record.

DES	Table	FieldName	FieldDescription
NCA	Populations	UpdDate	The date and time that the record was created or updated. For data obtained in electronic format from another source it can reflect the date and time of data capture or of conversion to Coordinated Assessment/StreamNet standards.
NCA	SuperPopulations	SuperPopID	StreamNet-defined code for the superpopulation.
NCA	SuperPopulations	PopID	StreamNet-defined code for a component population.
NCA	SuperPopulations	PopFit	Categorization of how well the geographic extent of the data corresponds to the geographic definition of the component population.
NCA	SuperPopulations	PopFitNotes	Text description of why only part of the component population is included in the superpopulation.
NCA	SuperPopulations	ContactAgency	Agency, tribe, or other entity that requested this population be added to the list.
NCA	SuperPopulations	UpdDate	The date and time that the record was created or updated. For data obtained in electronic format from another source it can reflect the date and time of data capture or of conversion to Coordinated Assessment/StreamNet standards.