

## Metadata for SALM9312.dbf file

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This file contains Chinook salmon length, adipose clip information, race, catch, salvage, and loss data from 1/1/1993 to 8/1/2012. The SALM9312.dbf file was generated by an automated query system by entering start date and end date in the SalvageQuery\_xp.mdb Interface Window on 8/2/2012 by Geir Aasen. The source data were obtained from the John E. Skinner Delta Fish Protective Facility (SWP) and Tracy Fish Collection Facility (CVP). The source data are stored in the DFG Access Salvage Data Base located at the DFG office in Stockton: C:\data\SALVAGEACCESS\NEWSALVAGE\SalvageQuery\_xp.mdb. Race classification, salvage, and loss are calculated values.

### **Column Headings for SALM9312.dbf file:**

**Facility:** "1" for SWP and "2" for CVP

**Date:** date of sample

**Time:** time of sample

**Spcode:** "1" for Chinook salmon

**Length:** length of Chinook salmon in fork length (FL)

**Adclip:** "c" for clipped salmon and "n" for non-clipped salmon

**Race:** race of Chinook salmon; "F" for fall run, "LF" for late fall run, "S" for spring run, and "W" for winter run

**Catch:** count of Chinook salmon

**Salvage:** salvage at a specific time for 1 or more Chinook salmon

**Loss:** loss at a specific time for 1 or more Chinook salmon

The SALM9312.dbf file is posted at the DFG intranet site,  
[ftp://ftp.dfg.ca.gov/salvage/DOSS\\_Salvage\\_Tables/](ftp://ftp.dfg.ca.gov/salvage/DOSS_Salvage_Tables/)

The data will be updated on an annual basis after October 1<sup>st</sup> (end of water year).

This file contains 97,490 rows of records.

The data is reported by individual salmon unless 2 or more salmon of a specific length are salvaged at a specific time. In this case, data is listed cumulative for that specific length as indicated by the catch column (2 or more).

This file contains juvenile Chinook salmon lengths up to 270 mm FL for fall and late fall run and lengths up to 300 mm FL for spring and winter run. Any salmon reported without a length measurement is also excluded from this file.

**NOTE:** Since this is a .dbf file and you probably don't have this older application, the best way to download this file is to save it to your computer and open it directly into a data base such as Access. **DO NOT** use Excel to open this file since the file contains 97,490 rows of records and only approximately 65,000 rows of records will show in Excel.

Feedback can be directed to Geir Aasen, [gaasen@dfg.ca.gov](mailto:gaasen@dfg.ca.gov).

#### QUALITY CONTROL PROCEDURES

The data has undergone partial quality control. The SALM9312.dbf data was checked against the C:\data\Salvage\Reports\Salmon Daily Salvage and Loss Report 1993 to 2012.rtf, which is distributed as part of the Weekly Salvage Update to the DOSS and DAT groups. This report is also generated by an automated query system by entering start date and end date in the SalvageQuery\_xp.mdb Interface Window.

The following steps were used in the quality control:

- 1) The SALM9312.dbf file was converted from count salvage data to daily salvage data, since the Salmon Daily Salvage and Loss Report 1993 to 2012.rtf list daily salvage, by the query "1993-2012 salmon QC.mdb".
- 2) The SALM9312.dbf data and the Salmon Daily Salvage and Loss Report 1993 to 2012.rtf was copied and pasted in the file C:\data\1993 to 2012 salmon data\salmon QC 1993 to 2012 08162012.xls. The data was sorted to match by date, race, and adipose clip or non-adipose clip.
- 3) The 2 files use 2 different rounding methods for data.

- 4) The SALM9312.dbf file rounds salvage to 1 decimal point and loss to 2 decimal points while the Salmon Daily Salvage and Loss Report 1993 to 2012.rtf rounds salvage to 10 decimal points and loss to the nearest whole number.
- 5) Daily salvage and loss from both files were subtracted (sorted by day, race, and adipose clipped or non adipose clipped). A zero value would indicate that the values match. An actual number would indicate that a discrepancy occurred.
- 6) If a discrepancy occurred, it would first be examined for differences which could be explained by a difference in rounding methods between the 2 files by directly examining the daily salvage and loss numbers (i.e. salvage of 5.5999999999 was rounded to 5.6).
- 7) If the discrepancy was not resolved by directly examining the numbers, salvage and loss was calculated independently by individual fish or count (if 2 or more fish with the same length at a specific count) and compared directly with the SALM9312.dbf file.
- 8) A small number of salvage discrepancies were found which could not be resolved by different rounding methods by directly examining the daily salvage numbers. When salvage was independently calculated by individual fish and compared with the SALM9312.dbf file, it was concluded that these salvage numbers were correctly rounded to 1 decimal point, but when summed by day gave a slightly different salvage number than the Salmon Daily Salvage and Loss Report 1993 to 2012.rtf which rounds to 10 decimal points. It was concluded that salvage numbers in the SALM9312.dbf file were accurate numbers.
- 9) No discrepancies in loss numbers were found between the SALM9312.dbf and Salmon Daily Salvage and Loss Report 1993 to 2012.rtf files, which could not be explained by different rounding methods. A small sample of loss was calculated independently from the file C:\data\2012 PROTOCOLS FOR DATA UPLOADS AND REPORTING\Manual Salmon Loss Calculation.xls, and was found to match loss numbers in the SALM9312.dbf file. It was concluded that loss numbers in the SALM9312.dbf file were accurate numbers.
- 10) Data sorted by collection date, adipose clipped or non adipose clipped, and race for the SALM9312.dbf file and the Salmon Daily Salvage and Loss Report 1993 to 2012.rtf file matched perfectly with no missing data.

Please note that this data has not undergone full independent quality control where each data point has been checked against an independent calculation, which was not generated by the same data base (coding errors may be present). Only a small sub-set has been independently calculated and checked without any discrepancies found. Data entry errors may also be present since only a

sub-set of this data has undergone independent data entry quality control. Consequently, this data may be subject to change.

Please note that salmon listed with zero salvage and loss values are Chinook salmon sampled during special study experiments and are not considered as part of salvage or loss.