

Development of an Oracle System for the Southeast Region Headboat Survey

FY 2012 Proposal

April Bagwill
Created: 05/13/2015

1. Overview

1.1. Sponsor

Lauren Dolinger Few

1.2. Focus Group

Information Management

1.3. Background

As part of the ongoing effort to address the increasing demands on data collection programs for improved and timelier recreational data, the MRIP Operations Team approved FY12 funding for Pilot Project, Phase II: Survey-Wide Implementation of Electronic Logbook Reporting on Headboats Operating in the U.S. South Atlantic and Gulf of Mexico. This project will expand electronic logbook reporting to the entire universe of headboats in the Southeast Region Headboat Survey (SRHS) currently reporting on paper logbooks. The funding for the project will support the development of an internet-based software system with mobile applications for the South Atlantic and Gulf of Mexico headboat fishery. Although this system will significantly increase the efficiency of collecting catch and effort data, it does not address the current deficiencies for storage and accessibility of incoming or archived headboat logbook data, biological data and other source data maintained at the NOAA Beaufort Laboratory. Since 1981 the SRHS has maintained data files in two basic formats, ASCII (dta) and Dbase (dbf). In recent years these formats have presented numerous problems, including compatibility with operating system updates, data extraction and limited storage capacity. As data managers strive for consistency between management structures and data availability, these issues will impede the ability of the SRHS to achieve these objectives. Furthermore, gains that are realized from electronic reporting may be offset by these deficiencies due to the lag time required to convert the data to the present formats.

1.4. Project Description

It is the goal of this project to transition the SRHS database to a complete Oracle system which will reside at the Southeast Fisheries Science Center (SEFSC), Miami, FL. This system would be a fully relational system incorporating the multiple components of the SRHS (logbook reports of catch and effort, reports of effort activity, biological data records and in time the new dockside and at sea catch effort interviews for verification of log reports), auditing and other quality control components, including data extracting (downloading) capabilities for offline analysis and use. Another goal of the proposed system would be to provide catch and effort information compatible (to the extent possible) for the MRIP estimates of catch and effort; thus the information would be electronically available for incorporation in national reports on recreational fisheries. The project will address deficiencies in the storage and accessibility of incoming or archived headboat logbook data. The project will focus on developing an Oracle database repository of headboat data which will be hosted at the SEFSC. The data will be part of the SEFSC Data Warehouse. The new data will be integrated into the SEFSC Data Warehouse, which employs a modern underlying architecture and technology supporting a database that can produce gains in process efficiency and data security, as well as improved capabilities for reporting, analysis, and integration with other data sources.

1.5. Public Description

1.6. Objectives

The main objectives of the project are:

1. Loading of data from Electronic Logbook Reporting system
2. Loading of data from port-side sampler data storage (include measuring board data)
3. Build data staging area at SEFSC for hosting raw data from data providers
4. Build data processing to validate, link, and merge data from sources
5. Load data into SEFSC data warehouse
6. Provide web-based data access for reporting and extraction (download local copy)

1.7. References

During project execution, the development team will seek the participation of data managers, business users, and IT staff to assist with the resolution of issues, design decisions, and coordination of activities. In addition, the team will refer to the following sources of information as needed:

- SE-HMS Data Integration Project - Approach & Design
- SE-HMS Data Integration Project - Data Storage Specifications
- Available documentation, coding, reference lists, and data files from the current SRHS system

2. Methodology

2.1. Methodology

This section describes the methodology to be employed by the development team during the execution of the project, in order to complete the requirements of: analysis, design, and data processing. Activities will begin with a review of the project requirements and scope, with emphasis on user requirements and deliverables around a set of project goals that are common to all project stakeholders. Requirements gathering sessions and conference calls will be conducted as needed with users and stakeholders to confirm the functional requirements of the system. The project team will document the data flow processing to serve as the basis for identifying required data fields and types. A workshop will be conducted with project team members to demonstrate and critique the design approach. A checkpoint review of project scope will be conducted upon completing the first

two project activities:
 • Review/confirm project requirements
 • Data flow processing design
 With the project scope confirmed, the team will begin the integration effort by designing and developing the technical components that will support the data processing requirements. Users and stakeholders are kept informed on project progress and are updated as areas of the system are developed. Historic data from the prior system (dBase database) will be migrated to the new system platform. Project progress and deliverables will be communicated through a project collaboration website accessible by all team members. Progress will be reported in ad-hoc meetings, broadcast emails, and the collaboration website. Major phases of the project include:
 Requirements Review
 Project sponsors will confirm project requirements.
 Data Processing Design
 During this phase the team will design high-level specifications of the data loading, validation, and processing system.
 Data Model
 During this phase the team will document and entities of the database for staging area as well as SEFSC data warehouse.
 Build Data Processing Procedures
 During this phase the team will build and test the data loading, validation, and processing system components. As areas of the system are completed they will be made available for demonstrations.
 Build Data Access User Interface
 During this phase the team will build a web-based user interface for data access, online reporting, and data extraction (downloading).

2.2. Region

Gulf of Mexico, South Atlantic

2.3. Geographic Coverage

Southeast U. S through the Gulf of Mexico (North Carolina through Texas).

2.4. Temporal Coverage

NC and SC-1972; NEFL 1976; SEFL and the Florida Keys-1978; SWFL to South Padre Island TX-1986.

2.5. Frequency

Headboat data collected in logbooks-daily; Paper logbooks and biological-monthly

2.6. Unit of Analysis

biological samples and electronic logbooks

2.7. Collection Mode

The SRHS system will provide a data feed to the SEFSC data processing staging area.

3. Communication

3.1. Internal Communication

NA

3.2. External Communication

NA

4. Assumptions/Constraints

4.1. New Data Collection

N

4.2. Is funding needed for this project?

Y

4.3. Funding Vehicle

NA

4.4. Data Resources

The Southeast Region Headboat Survey is comprised of the following sources of data:
 • Biological Sampling Data: The dockside intercept component of the SRHS can best be described as a systematic opportunistic design. Each port agent responsible for a particular area is asked to sample their vessels in a systematic rotation. Upon attaining an angler's fish for sampling the port agent will measure and weigh individual fish using an electronic fish measuring board connected to an electronic balance. All measurements are recorded into computer memory for later download and editing. Another job the port agent has is to obtain otoliths, spines or gonads from selected species.
 • Biological sampling data is composed of individual species:
 • Length
 • Weight
 • Date & location of harvest
 • Sex
 • Logbooks (entered electronically): Headboat logbook forms collect information about numbers and total weight of individual species caught, total number of passengers, total number of anglers, location fished, trip duration

(half, ¼, full or multiday trip), and species and numbers of released fish with their disposition (dead or alive). Logbooks contain the following information:

- Catch composition
- Numbers of fish/species harvested and released alive\dead
- Vessel
- License #
- Number of passengers/anglers
- Trip type
- Departure/arrival time
- Location fished

4.5. Other Resources

Besides data from logbooks and biological sampling, the SRHS database contains a list of vessels that is maintained with information provided by port agents and the permits office at SERO. Individual information for each vessel in the list includes the vessel name, vessel ID, location, and owners.

4.6. Regulations

50 CFR Part 622.5 - FISHERIES OF THE CARIBBEAN, GULF, AND SOUTH ATLANTIC

4.7. Other

The new system is comprised of the following high-level modules:

- Data Loading, Validation, and Linking (SEFSC Data Warehouse Staging Area)
- Headboat Oracle Database (part of the SEFSC Data Warehouse)
- Online (web-based) data access and reporting (Application for queries, reporting, and downloading)

5. Final Deliverables

5.1. Additional Reports

Reporting will be provided through the online (web-based) application of the SEFSC Data Warehouse.

5.2. New Data Set(s)

A completely redesigned data model including documentation on the entity-relationship diagram (ERD)

5.3. New System(s)

See other (above) in Assumptions and Constraints

6. Project Leadership

6.1. Project Leader and Members

First Name	Last Name	Title	Role	Organization	Email	Phone 1	Phone 2
Patrick	Cope	IT Specialist	Team Leader	SEFSC,Mia mi	Patrick.cope @noaa.gov	305-361-4251	
Kenneth	Brennan	Coordinator Southeast Region Headboat Survey	Team Member	NMFS Beaufort Laboratory	Kenneth.Brennan@noaa.gov	252-728-8618	
Kelly	Fitzpatrick	Operations Research Analyst	Team Member	NMFS Beaufort Laboratory	Kelly.Fitzpatrick@noaa.gov	252-728-8760	
David	Gloeckner	Chief, Fisheries Monitoring Branch, SEFSC	Team Member	SEFSC, Miami	David.Gloeckner@noaa.gov	305-361-4257	252-646-7334
Steve	Turner	Division Chief	Team Member	SEFSC, Miami NMFS Laboratory	Steve.turner @noaa.gov	305-361-4482 x 482	
Erik	Williams	Supervisory Research Fishery Biologist	Team Member	NMFS Beaufort Laboratory	Erik.Williams@noaa.gov	252-728-8603	

7. Project Estimates

7.1. Project Schedule

Task #	Schedule Description	Prerequisite	Schedule Start Date	Schedule Finish Date	Milestone
2	Design High Level Data Flow Specifications	1	07/16/2012	08/10/2012	
1	Confirm project scope and requirements		07/02/2012	07/13/2012	
3	Data Modeling	2	08/13/2012	08/31/2012	
4	Build and Test Data Processing Procedures	3	09/03/2012	10/26/2012	
5	Build and Test Data Access User Interface	4	10/29/2012	12/21/2012	

7.2. Cost Estimates

Cost Name	Cost Description	Cost Amount	Date Needed
Data Modeling	Design	\$17033.00	08/31/2012
Build and Test Data Processing Procedures	Development	\$30282.00	10/26/2012
Build and Test Data Access User Interface	Development	\$30282.00	12/21/2012
Confirm project scope and requirements	Analysis/Requirements	\$7570.00	07/13/2012
Design High Level Data Flow Specifications	Design	\$15141.00	08/10/2012
TOTAL COST		\$100308.00	

8. Risk

8.1. Project Risk

Risk Description	Risk Impact	Risk Probability	Risk Mitigation Approach
NA	NA	Low	NA

9. Supporting Documents

"Headboat User Guide", page 1

Headboat User Guide Version 1.0

HeadBoat User Guide Basics

DOCUMENT NO: 0012013
VERSION: 1.0

DATE: 2/27/2013

"Headboat User Guide", page 2

Legal Notification

The information contained in this document is the proprietary and exclusive property of NOAA except as otherwise indicated. No part of this document, in whole or in part, may be reproduced, stored, transmitted, or used for design purposes without the prior written permission of NOAA.

The information contained in this document is subject to change without notice.

The information in this document is provided for informational purposes only. NOAA specifically disclaims all warranties, express or limited, including, but not limited, to the implied warranties of merchantability and fitness for a particular purpose, except as provided for in a separate software license agreement.

©2013 NOAA.

Version History

REVISION CHART			
Version	Author(s)	Description of Version	Date Completed
1.0	Carlos	Original document	Feb 25, 2013
1.0	Jay	Reviewed minor changes	Feb 27, 2013

"Headboat User Guide", page 3

Table of Contents

1	Headboat Survey	3
1.1	Logging in	3
1.2	Dashboard	3
1.3	Viewing your schedule	4
1.4	Reporting your headboat activity	5
1.4.1	Reporting new activity	5
1.4.2	Editing a record	6
1.4.3	Deleting a record	6
1.4.4	Reporting by month	7
1.5	Reporting your sample activity	8
1.5.1	Reporting new activity	8
1.5.2	Editing a record	8
1.5.3	Deleting a record	8
1.6	Uploading measuring board activity	9

"Headboat User Guide", page 4

1 Headboat Survey

The Headboat Survey system allows port agents to easily report their required information, whether headboat activity, or biological profiles (sample) activity.

1.1 Logging in

On the Headboat system login page type your user name and password and click **Login**.

1.2 Dashboard

After logging in you will be taken to the Dashboard page. On the Dashboard page you can do the following:

- Click the **Daily Schedule** icon  to view your calendar.
- Click the **H.A.R. By Month** icon  to open the HAR reporting page.
- Click the **Upload BP Data** icon  to upload your biological profile information.
- Click the **View Recent Uploaded Data** icon  to view your upload history.

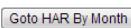
"Headboat User Guide", page 5

1.3 Viewing your schedule

1. On the Dashboard page, click the **Daily Schedule** icon.
2. On the Calendar page, you can do one of the following:
 - Click a day number to view the HAR form for that day.
 - Click anything below the day number to view the SAR form for that day.

Toolbar buttons

You can use the toolbar buttons to do the following:

- Click  to view the month before the current month.
- Click  to return to the current month with the current day highlighted.
- Click  to view the month after the current month.
- Click  to report your headboat activity on a monthly basis by vessel.

"Headboat User Guide", page 6

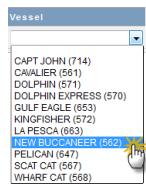
1.4 Reporting your headboat activity

1.4.1 Reporting new activity

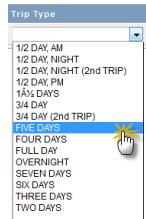
1. On your calendar page, click a day number to view the HAR page for that day.



2. On the HAR page, click **New Activity Report Record**.
3. In the **Vessel** list, select the vessel that you gathered information about.



4. In the **Trip Type** list, select the duration for the trip.



5. In the **Anglers** box, type the number of anglers observed on the vessel.
6. (Optional) If the vessel had no activity or if your angler count is not from direct observation then you may need to add a reason to your record:
 - If the vessel did not have trip activity, in the **Reason** list, select the reason for the vessel's inactivity. You can add comments for this reason in the **Comment** box. If the vessel did have activity, leave this blank.
 - If the angler number was not observed but received from another source, in the **Reason** list, select the source for the angler number. You can add comments for this reason in the **Comment** box. If the number of anglers was observed directly, leave this blank.
7. Repeat steps 2 – 6 to add another record. When you are done adding all the records for that day, click **Save**. After clicking save the page will refresh with a message with the number of rows updated/inserted or any validation warnings. You must click save to save your changes.

"Headboat User Guide", page 7

1.4.2 Editing a record

1. On your calendar page, click a day number to view the HAR page for that day.



2. On the HAR page, change any of the fields for the record(s) you want to edit. Click **Save** when you are done. After clicking save the page will refresh with a message with the number of rows updated/inserted or any validation warnings. You must click save to save your changes.

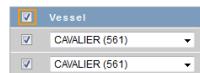
1.4.3 Deleting a record

1. On the HAR page, select the **Action** checkbox for the record you want to delete.



2. Click **Delete**. In the pop-up window, click **OK** to confirm the deletion.

Note: If you want to delete all records in your report, select the **Action** checkbox in the header row to select all records and then click **Delete**.

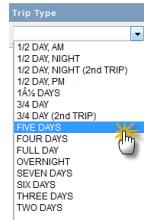


"Headboat User Guide", page 8

1.4.4 Reporting by month

If you want to report monthly statistics for a vessel then you can use the HAR by month report.

1. On your Dashboard page, click the HAR By Month icon .
2. In the **Vessel** list, select the vessel for this report, and then in the **Year/Month** list, select the year and month for this report. Then click **New Activity Record**.
3. In the **Trip Type** list, select the duration for the trip.



4. In the **Anglers** box, type the number of anglers on the vessel.
5. (Optional) If the vessel had no activity or if your angler count is not from direct observation then you may need to add a reason to your record:
 - If the vessel did not have trip activity, in the **Reason** list, select the reason for the vessel's inactivity. You can add comments for this reason in the **Comment** box. If the vessel did have activity, leave this blank.
 - If the angler number was not observed but received from another source, in the **Reason** list, select the source for the angler number. You can add comments for this reason in the **Comment** box. If the number of anglers was observed directly, leave this blank.
6. Repeat steps 3 – 5 to add another record. Remember to click  to save your work.
7. (Optional) If you want to add activity by month for another vessel you can repeat steps 2 – 6. Just make sure you save your work first for the current vessel.

"Headboat User Guide", page 9

1.5 Reporting your sample activity

1.5.1 Reporting new activity

1. On your calendar page, for the day you want to report, click **New** to view the SAR page for that day.



2. On the SAR page, click **New Sample Activity Record**.
3. In the **Sample or Vessel** list, select either the sample that you gathered information about or when no sample taken select the vessel. Then in the **Trip Type** list, select the duration for the trip.
4. In the **Vessel Trip Num** box, type the vessel's trip number. Then in the **Expected Return Time** list, select the time.
5. In the **Port Order** box, type the order number, and then in the **Trip Order** box, type the trip's order number.
6. (Optional) If the vessel had no sample activity, in the **Reason** list, select the reason for the lack of sample activity. You can add comments for this reason in the **Comment** box. If the vessel did have sample activity, leave this blank.
7. Repeat steps 2 – 6 to add another record. Remember to click **Save** to save your work.

1.5.2 Editing a record

1. On your calendar page, for the day you want to report, click the **SAR** link to view the SAR page for that day.
2. On the SAR page, change any of the fields for the record(s) you want to edit. Click **Save** when you are done.

1.5.3 Deleting a record

1. On the SAR page, select the **Action** checkbox for the record you want to delete.

Sample Or Vessel	Trip Type
<input checked="" type="checkbox"/> MCALVILER (561)	FOUR DAYS
<input type="checkbox"/> GULF EAGLE (653)	FULL DAY

2. Click **Delete**. In the pop-up window, click **OK** to confirm the deletion.

Note: If you want to delete all records in your report, select the **Action** checkbox in the header row to select all records, and then click **Delete**.

"Headboat User Guide", page 10

1.6 Uploading measuring board activity

1. On your Dashboard page, click the **Upload BP Data** icon .
2. On the Upload page, click to search your computer or USB drive for the file you want to upload. Once you have highlighted the file you want to upload, click **Open** (or double-click the file).

Note: For most uploads, the other fields on the Upload page should be kept with their default values.

3. On the Upload page, in the **File Name** field, you should see the name of the file you just selected. Click .
4. In the **Column Names** list, select **Trip Sample Data varchar2 (512)**. You can leave the Date/Number Format field empty. Click .
5. In the Sample Data Validation section, you can review the data that will be uploaded. Once you are done, click button.
6. On the Process Data page, click **Process/Finish**. The system will process your uploaded data and open the Board Data page where you can review the data you uploaded. If any errors are found during processing the system will navigate to the error page listing the issues with the data.

Reviewing previously uploaded activity

On your Dashboard page, click **View Recent Uploaded Data** to view a list of files you have uploaded. You can click any file to view its contents.

"ERD", page 1

PHYSICAL MODEL

FOR PROJECT

MODEL
RE Oracle 11g

Version

Created: 3/29/2013
Last Modified: 6/4/2013

Entities**Entity Report**

Entity Name	Primary Key	# Attributes
INACTIVE_LOG	INACTIVE_LOG_ID	6
PORT_AGENT_PORT	PORT_AGENT_PORT_ID	5
SRH.ANG_DAYS_ESTIMATES	ANG_DAYS_ESTIMATES_ID	8
SRH.AREA	AREA_ID	9
SRH.BATCH	BATCH_ID	9
SRH.DIM_DAY	DIM_DAY_ID	18
SRH.ENTT	ENTT_ID	19
SRH.HB_REPORT	HB_REPORT_ID	23
SRH.HB_REPORT_DETAIL	HB_REPORT_DETAIL_ID	11
SRH.LANDING_ESTIMATES	LANDING_ESTIMATES_ID	14
SRH.LOAD_ANG_DAYS	LOAD_ANGDAYS_ID	8
SRH.LOAD_BOARD	LOAD_BOARD_ID	7
SRH.LOAD_ESTIMATES	LOAD_ESTIMATES_ID	17
SRH.LOAD_SCHEDULE		14
SRH.LOAD_SE_LOGBOOK	LOAD_SE_LOGBOOK_ID	28
SRH.MAINTENANCE_LIST	MAINTENANCE_LIST_ID	8
SRH.PA_LINK		2
SRH.PORT	PORT_ID	15
SRH.PORT_AGENT	PORT_AGENT_ID	8
SRH.PORT_AGENT_AREA		5
SRH.REASON_NO_HAR	REASON_NO_HAR_ID	5
SRH.REASON_NO_SAMPLE	REASON_NO_SAMPLE_ID	5
SRH.REPORTS	REPORTS_ID	8
SRH.SAMPLE_ACTIVITY	SAMPLE_ACTIVITY_ID	16
SRH.SPECIES	SPECIES_ID	8
SRH.TEMP_COLL_HIS		6
SRH.TRIP_ACTIVITY	TRIP_ACTIVITY_ID	18
SRH.TRIP_ASSIGNMENT_SUM	TRIP_ASSIGNMENT_SUM_ID	13
SRH.TRIP_HIST_DETAIL		21
SRH.TRIP_HISTORICAL		19
SRH.TRIP_SAMPLE	TRIP_SAMPLE_ID	10
SRH.TRIP_SAMPLE_DETAIL	TRIP_SAMPLE_DETAIL_ID	15
SRH.TRIP_SAMPLE_PA		6
SRH.TRIP_SCHEDULE	TRIP_SCHEDULE_ID	8
SRH.TRIP_TYPE	TRIP_TYPE_ID	10
SRH.VESSEL	VESSEL_ID	19
SRH.VESSEL_ENTITIES		16
SRH.VESSEL_ENTT_RLTN	VESSEL_ENTT_RLTN_ID	11
SRH.ZONE	ZONE_ID	5
VESSEL_TYPE	VESSEL_TYPE_ID	4
VESSEL_TYPE	VESSEL_TYPE_ID	5

"ERD", page 3

Entities

Entity 'INACTIVE_LOG'

Caption	INACTIVE_LOG		
Primary Key	Key35		

Primary Key 'Key35'

Attribute Name	type	Parent Entity
INACTIVE_LOG_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	INACTIVE_LOG_ID		Number	YES	NO	NO	NO	Pk for this table
FK	VESSEL_ID		Number	YES	NO	NO	NO	
	START_DATE		Date	YES	NO	NO	NO	Date inactivity starts
	END_DATE		Date	YES	NO	NO	NO	Date inactivity ends
	LU		Date	YES	NO	NO	NO	Last Update
	LU_USRE_CODE		Varchar2(1 20)	YES	NO	NO	NO	Last update user

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
Relationship58	Non-identifying	SRH.VESSEL	INACTIVE_LOG	1:N

"ERD", page 4

Entities

Entity 'PORT_AGENT_PORT'

Caption	PORT_AGENT_PORT		
Primary Key	Key33		

Primary Key 'Key33'

Attribute Name	type	Parent Entity
PORT_AGENT_PORT_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	PORT_AGENT_PORT_ID		Number	YES	NO	NO	NO	
FK	PORT_AGENT_ID		Number	YES	NO	NO	NO	
FK	PORT_ID		Number	YES	NO	NO	NO	
	LU_USER_CODE		Varchar2(120)	YES	NO	NO	NO	
	LU		Date	YES	NO	NO	YES	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
Relationship45	Non-identifying	SRH.PORT_AGENT	PORT_AGENT_PORT	1:N
Relationship46	Non-identifying	SRH.PORT	PORT_AGENT_PORT	1:N

"ERD", page 5

Entities

Entity 'SRH.ANG_DAYS_ESTIMATES'

Caption	ANG_DAYS_ESTIMATES		
Primary Key	Key2		

Primary Key 'Key2'

Attribute Name	type	Parent Entity
ANG_DAYS_ESTIMATES_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	ANG_DAYS_ESTIMATES_ID		Number	YES	NO	NO	NO	
FK	BATCH_ID		Number(10, 0)	YES	NO	NO	NO	
	EST_YEAR		Varchar2(42)	NO	NO	NO	NO	
	EST_MONTH		Number	NO	NO	NO	NO	
	AREA_ID		Number	NO	NO	NO	NO	
	EST_ANG_DAYS		Number	NO	NO	NO	NO	
	LU_USER_CODE		Varchar2(120)	YES	NO	NO	NO	
	LU		Date	YES	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
Relationship52	Non-identifying	SRH.BATCH	SRH.ANG_DAYS_ESTIMATES	1:N

"ERD", page 6

Entities**Entity 'SRH.AREA'**

Caption	AREA		
Primary Key	PK_AREA		

Primary Key 'PK_AREA'

Attribute Name	type	Parent Entity
AREA_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	AREA_ID		Number	YES	NO	NO	NO	PK sequence. Represents an area where a vessel fishes
	AREA_NUM		Number(6,0)	YES	YES	NO	NO	Area number known to users.
	AREA_NAME		Varchar2(60)	YES	YES	NO	NO	Name of an area
	DESCRIPTION		Varchar2(120)	NO	NO	NO	NO	Area description
	IS_ACTIVE		Number(1,0)	YES	NO	NO	YES	Is the area actively used?
	IS_LANDING_AREA		Number(1,0)	NO	NO	NO	NO	Is the area in shore, a landing area, or off shore, a fishing area.
FK	ZONE_ID		Number	NO	NO	NO	NO	
	LU_USER_CODE		Varchar2(120)	YES	NO	NO	NO	
	LU		Date	YES	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
FK_HB_R_AREA	Non-identifying	SRH.AREA	SRH.HB_REPORT	1:N
RELATIONSHIP16	Non-identifying	SRH.AREA	SRH.VESSEL	1:N
RELATIONSHIP20	Non-identifying	SRH.AREA	SRH.TRIP_SAMPLE	1:N
RELATIONSHIP34	Non-identifying	SRH.AREA	SRH.PORT_AGENT_AREA	1:N
Relationship47	Non-identifying	SRH.AREA	SRH.PORT	1:N
Relationship49	Non-identifying	SRH.ZONE	SRH.AREA	1:N

Keys

Key Type	Constraint Name	Attributes
PK	PK_AREA	AREA_ID
AK	AREA_NAME	AREA_NAME
AK	AREA_NUM	AREA_NUM

"ERD", page 7

Entities
Triggers
Trigger Name
SRH.T_LU_AREA
Comments

Table of Fishing areas where headboats go to fish.

"ERD", page 8

Entities**Entity 'SRH.BATCH'**

Caption	BATCH		
Primary Key	BATCH_BATCH_ID		

Primary Key 'BATCH_BATCH_ID'

Attribute Name	type	Parent Entity
BATCH_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	BATCH_ID		Number(10, 0)	YES	NO	NO	NO	PK Internal sequence
	INTERNAL_FILE_NM		Varchar2(512)	YES	NO	NO	NO	Port Agent's filename
	RECORD_CNT		Number(10, 0)	YES	NO	NO	NO	Record count
	INVALID_CNT		Number(10, 0)	YES	NO	NO	NO	Records with invalid values
	LU_USER_CODE		Varchar2(120)	YES	NO	NO	NO	Port Agent's user account
	LU		Date	YES	NO	NO	YES	Batch date
	FILE_TYPE		Varchar2(1)	NO	NO	NO	NO	B-Board, S-Schedule, L-Logbook, I-Internal Use (Historical Data)
	MSG		Varchar2(512)	NO	NO	NO	NO	Batch processing message
	STATUS		Varchar2(1)	YES	NO	NO	NO	(P)ass, (F)ail, (I)n process

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
FK_HB_R_BATCH	Non-identifying	SRH.BATCH	SRH.HB_REPORT	1:N
FK_SE_LB_BATCH	Non-identifying	SRH.BATCH	SRH.LOAD_SE_LOGBOOK	1:N
RELATIONSHIP1	Non-identifying	SRH.BATCH	SRH.LOAD_BOARD	1:N
RELATIONSHIP299	Non-identifying	SRH.BATCH	SRH.TRIP_SAMPLE	1:N
RELATIONSHIP5	Non-identifying	SRH.BATCH	SRH.TRIP_SCHEDULE	1:N
Relationship43	Non-identifying	SRH.BATCH	SRH.LOAD_SCHEDULE	1:N
Relationship48	Non-identifying	SRH.BATCH	SRH.LOAD_ESTIMATES	1:N
Relationship50	Non-identifying	SRH.BATCH	SRH.LOAD_ANG_DAYS	1:N
Relationship51	Non-identifying	SRH.BATCH	SRH.LANDING_ESTIMATES	1:N
Relationship52	Non-identifying	SRH.BATCH	SRH.ANG_DAYS_ES	1:N

"ERD", page 9

Entities
TIMATES
Triggers
Trigger Name
SRH.T_LU_BATCH
Comments
A batch of data uploaded to the SRH system

"ERD", page 10

Entities

Entity 'SRH.DIM_DAY'

Caption	DIM_DAY		
Primary Key	PK_DIM_DAY		

Primary Key 'PK_DIM_DAY'

Attribute Name	type	Parent Entity
DIM_DAY_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	DIM_DAY_ID		Number	NO	NO	NO	NO	
	DAY_DATE		Date	NO	NO	NO	NO	
	DATE_NM		Char(10)	NO	NO	NO	NO	
	DAY_NM		Varchar2(10)	NO	NO	NO	NO	
	DAY_ABBR		Char(3)	NO	NO	NO	NO	
	WEEKDAY_WEEKEND		Varchar2(7)	NO	NO	NO	NO	
	DAY_OF_WEEK		Number(1,0)	NO	NO	NO	NO	
	DAY_OF_MONTH		Number(2,0)	NO	NO	NO	NO	
	DAY_OF_YEAR		Number(3,0)	NO	NO	NO	NO	
	WEEK_OF_YEAR		Number(2,0)	NO	NO	NO	NO	
	MONTH_OF_YEAR		Number(2,0)	NO	NO	NO	NO	
	MONTH_NM		Varchar2(10)	NO	NO	NO	NO	
	MONTH_ABBR		Char(3)	NO	NO	NO	NO	
	QUARTER		Number(1,0)	NO	NO	NO	NO	
	YEAR		Number(4,0)	NO	NO	NO	NO	
	MON_DAY		Char(6)	NO	NO	NO	NO	
	WEEK_OF_MONTH		Number(2,0)	NO	NO	NO	NO	
	BI_MONTHANDING_PERIOD_NUM		Number(2,0)	NO	NO	NO	NO	

"ERD", page 11

Entities

Comments

SEFSC Data Warehouse dimension table for Day (date) values. Does not include time values.

"ERD", page 12

Entities**Entity 'SRH.ENTT'**

Caption	ENTT		
Primary Key	PK_ENTT		

Primary Key 'PK_ENTT'

Attribute Name	type	Parent Entity
ENTT_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	ENTT_ID		Number	YES	NO	NO	NO	PK SRH Sequence
	ENTT_TY PE		Char(2)	YES	NO	YES	NO	Type IN for Individual BU for Business
	FIRST_NA ME		Varchar2(1 20)	NO	NO	NO	NO	First name of individual
	LAST_NA ME		Varchar2(1 20)	NO	NO	NO	NO	Last name of individual
	SUFFIX		Varchar2(2 0)	NO	NO	NO	NO	Name/Address
	ADD_STR 1		Varchar2(1 20)	NO	NO	NO	NO	Name/Address
	ADD_STR 2		Varchar2(1 20)	NO	NO	NO	NO	Name/Address
	ADD_STR 3		Varchar2(1 20)	NO	NO	NO	NO	Name/Address
	CITY		Varchar2(1 20)	NO	NO	NO	NO	Name/Address
	STATE		Varchar2(1 20)	NO	NO	NO	NO	Name/Address
	ZIP		Varchar2(1 0)	NO	NO	NO	NO	Name/Address
	PHONE1		Varchar2(2 0)	NO	NO	NO	NO	Phone number
	PHONE2		Varchar2(2 0)	NO	NO	NO	NO	Phone number
	PHONE3		Varchar2(2 0)	NO	NO	NO	NO	Phone number
	PHONE4		Varchar2(2 0)	NO	NO	NO	NO	Phone number
	EMAIL		Varchar2(1 20)	NO	NO	NO	NO	Name/Address
	LU_USER _CODE		Varchar2(1 20)	YES	NO	NO	NO	Last Update User
	LU		Date	YES	NO	NO	YES	Last Update (Date)
	NAME_CO DE		Varchar2(2 56)	NO	NO	NO	NO	

"ERD", page 13

Entities

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
RELATIONSHIP13	Non-identifying	SRH.ENTT	SRH.VESSEL_ENTT_RLTN	1:N

Indexes

Index Name	Attributes	Unique
SRH.Key6	ENTT_ID	YES

Triggers

Trigger Name
SRH.T_LU_ENTT
SRH.T_BIR_ENTT2

Comments

An entity who owns or captains a vessel

"ERD", page 14

Entities

Entity 'SRH.HB_REPORT'

Caption	HB_REPORT
Primary Key	PK_HB_R

Primary Key 'PK_HB_R'

Attribute Name	type	Parent Entity
HB_REPORT_ID	PK	----

"ERD", page 15

Entities**Attributes**

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	HB_REPO_RT_ID		Number	NO	NO	NO	NO	
	HB_REPO_RT_NUM		Number	NO	NO	NO	NO	
FK	BATCH_ID		Number(10, 0)	NO	NO	NO	NO	
FK	VESSEL_ID		Number	NO	NO	NO	NO	
FK	AREA_ID		Number	NO	NO	NO	NO	
	CAPTAIN_NAME		Varchar2(1 20)	NO	NO	NO	NO	
	DEPARTURE_DATE		Date	NO	NO	NO	NO	
	ARRIVAL_DATE		Date	NO	NO	NO	NO	
	TRIP_LEN_GTH		Number(6,2)	NO	NO	NO	NO	
FK	TRIP_TYPE_ID		Number(3,0)	NO	NO	NO	NO	
	LAT_LON_G		Varchar2(1 0)	NO	NO	NO	NO	
	LAT_MIN		Number	NO	NO	NO	NO	
	LONG_MIN		Varchar2(2)	NO	NO	NO	NO	
	ANGLER_COUNT		Number(3,0)	NO	NO	NO	NO	
	MIN_DEPTH		Number	NO	NO	NO	NO	
	MAX_DEPTH		Number	NO	NO	NO	NO	
	PRIMARY_DEPTH_FISHED		Number	NO	NO	NO	NO	
	ANGLER_FISHED		Number(3,0)	NO	NO	NO	NO	
	PAYTYPE		Number(3,0)	NO	NO	NO	NO	
	PERIOD		Number(3,0)	NO	NO	NO	NO	
	DFS		Number(3,0)	NO	NO	NO	NO	
	LU_USER_CODE		Varchar2(1 20)	NO	NO	NO	NO	
	LU		Date	NO	NO	NO	YES	

"ERD", page 16

Entities

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
FK_HB_R	Non-identifying	SRH.HB_REPORT	SRH.HB_REPORT_DETAIL	1:N
FK_HB_R_AREA	Non-identifying	SRH.AREA	SRH.HB_REPORT	1:N
FK_HB_R_BATCH	Non-identifying	SRH.BATCH	SRH.HB_REPORT	1:N
FK_HB_R_TTYPE	Non-identifying	SRH.TRIP_TYPE	SRH.HB_REPORT	1:N
FK_HB_R_VESSEL	Non-identifying	SRH.VESSEL	SRH.HB_REPORT	1:N

"ERD", page 17

Entities**Entity 'SRH.HB_REPORT_DETAIL'**

Caption	HB_REPORT_DETAIL		
Primary Key	PK_HB_RD_ID		

Primary Key 'PK_HB_RD_ID'

Attribute Name	type	Parent Entity
HB_REPORT_DETAIL_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	HB_REPO_RT_DETAIL_ID		Number	NO	NO	NO	NO	
FK	HB_REPO_RT_ID		Number	NO	NO	NO	NO	FK HB_REPORT
	CATCH_TRANS_ID		Number	NO	NO	NO	NO	
FK	SPECIES_ID		Number	NO	NO	NO	NO	
	FISH_COUNT		Number	NO	NO	NO	NO	
	FISH_WEIGHT		Number	NO	NO	NO	NO	
	FISH_RELEASED		Number	NO	NO	NO	NO	
	RELEASED_ALIVE		Number(6,0)	NO	NO	NO	NO	
	RELEASED_DEAD		Number(6,0)	NO	NO	NO	NO	
	LU_USER_CODE		Varchar2(1 20)	NO	NO	NO	NO	
	LU		Date	NO	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
FK_HB_R	Non-identifying	SRH.HB_REPORT	SRH.HB_REPORT_DETAIL	1:N
FK_HB_RD_SPECIES	Non-identifying	SRH.SPECIES	SRH.HB_REPORT_DETAIL	1:N

"ERD", page 18

Entities**Entity 'SRH.LANDING_ESTIMATES'**

Caption	LANDING_ESTIMATES		
Primary Key	Key8		

Primary Key 'Key8'

Attribute Name	type	Parent Entity
LANDING_ESTIMATES_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	LANDING_ESTIMATES_ID		Integer	YES	NO	NO	NO	
FK	BATCH_ID		Number(10, 0)	NO	NO	NO	NO	
	EST_YEAR		Varchar2(42)	NO	NO	NO	NO	
	EST_MONTH		Number	NO	NO	NO	NO	
	AREA_ID		Number	NO	NO	NO	NO	
	VESSEL_ID		Number	NO	NO	NO	NO	
	SPECIES_ID		Number	NO	NO	NO	NO	
	SUMCATCH		Number	NO	NO	NO	NO	
	TOTCATCH		Number	NO	NO	NO	NO	
	RELEASEAL		Number	NO	NO	NO	NO	
	RELEASEDE		Number	NO	NO	NO	NO	
	WEIGHT		Number	NO	NO	NO	NO	
	LU_USER_CODE		Varchar2(120)	NO	NO	NO	NO	
	LU		Date	NO	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
Relationship51	Non-identifying	SRH.BATCH	SRH.LANDING_ESTIMATES	1:N

"ERD", page 19

Entities**Entity 'SRH.LOAD_ANG_DAYS'**

Caption	LOAD_ANG_DAYS		
Primary Key	Key9		

Primary Key 'Key9'

Attribute Name	type	Parent Entity
LOAD_ANGDAYS_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	LOAD_ANGDAYS_ID		Number	YES	NO	NO	NO	PK Sequence
FK	BATCH_ID		Number(10, 0)	NO	NO	NO	NO	
	YEAR		Number	NO	NO	NO	NO	
	AREA		Number	NO	NO	NO	NO	
	MONTH		Number	NO	NO	NO	NO	
	EST_ANG DAYS		Number	NO	NO	NO	NO	
	LU_USER_CODE		Varchar2(1 20)	NO	NO	NO	NO	
	LU		Date	NO	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
Relationship50	Non-identifying	SRH.BATCH	SRH.LOAD_ANG_DAYS	1:N

"ERD", page 20

Entities

Entity 'SRH.LOAD_BOARD'

Caption	LOAD_BOARD		
Primary Key	LOAD_BOARD_ID		

Primary Key 'LOAD_BOARD_ID'

Attribute Name	type	Parent Entity
LOAD_BOARD_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	LOAD_BOARD_ID		Number	YES	NO	NO	NO	PK for load - Sequence
FK	BATCH_ID		Number(10, 0)	NO	NO	NO	NO	FK to Batch
	TRIP_SAMPLE_DA TA		Varchar2(5 12)	YES	NO	NO	NO	Sampling Board data
	LU_USER_CODE		Varchar2(1 20)	YES	NO	NO	NO	Last Updated by User
	LU		Date	YES	NO	NO	YES	Last updated date
	LOAD_STATUS		Varchar2(1)	NO	NO	NO	NO	(P)ass - (F)ail
	LOAD_MS G		Varchar2(1 20)	NO	NO	NO	NO	Row level error message when load fail

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
RELATIONSHIP1	Non-identifying	SRH.BATCH	SRH.LOAD_BOARD	1:N

Indexes

Index Name	Attributes	Unique
SRH.IX_RELATIONSHIP1	BATCH_ID	NO

Triggers

Trigger Name
SRH.T_BIR_LOAD_BOARD
SRH.T_BIR_BOARD_READING
SRH.T_LU_LOAD_BOARD

Comments

Temporary table to hold measuring/sampling board data prior to processing into Trip Sample and Trip Sample Detail tables.

"ERD", page 21

Entities**Entity 'SRH.LOAD_ESTIMATES'**

Caption	LOAD_ESTIMATES		
Primary Key	Key10		

Primary Key 'Key10'

Attribute Name	type	Parent Entity
LOAD_ESTIMATES_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	LOAD_ESTIMATES_ID		Number	YES	NO	NO	NO	PK Sequence
FK	BATCH_ID		Number(10, 0)	NO	NO	NO	NO	
	YEAR		Number	NO	NO	NO	NO	
	AREA		Number	NO	NO	NO	NO	
	VESSEL		Number	NO	NO	NO	NO	
	SPECIES		Number	NO	NO	NO	NO	
	PERIOD		Number	NO	NO	NO	NO	
	SUMCATCH		Number	NO	NO	NO	NO	
	TOTCATCH		Number	NO	NO	NO	NO	
	RELEASE_AL		Number	NO	NO	NO	NO	
	RELEASE_DE		Number	NO	NO	NO	NO	
	ASTERISK		Char(1)	NO	NO	NO	NO	
	WEIGHT		Number	NO	NO	NO	NO	
	LOAD_STATUS		Varchar2(1)	NO	NO	NO	NO	(P)ass - (F)ail
	LOAD_MSG		Varchar2(1 20)	NO	NO	NO	NO	Row level error message when load fail
	LU_USER_CODE		Varchar2(1 20)	NO	NO	NO	NO	
	LU	Date		NO	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
Relationship48	Non-identifying	SRH.BATCH	SRH.LOAD_ESTIMATES	1:N

"ERD", page 22

Entities

Triggers

Trigger Name
SRH.T LU_LOAD_ESTIMATES

"ERD", page 23

Entities**Entity 'SRH.LOAD_SCHEDULE'**

Caption	LOAD_SCHEDULE
Primary Key	Key11

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
	LOAD_SCHEDULE_ID		Number	YES	NO	NO	NO	
FK	BATCH_ID		Number(10, 0)	NO	NO	NO	NO	
	PORT_ASSIGN_NUM		Number(6,0)	YES	NO	NO	NO	
	WEEK_NUM		Number(2,0)	YES	NO	NO	NO	
	TRIP_SCHEDULE_DATE		Date	YES	NO	NO	NO	
	CLUSTER_ID		Number(6,0)	YES	NO	NO	NO	
	ZONE		Varchar2(10)	NO	NO	NO	NO	
	PORT_NUM1		Number	NO	NO	NO	NO	
	PORT_NUM2		Number	NO	NO	NO	NO	
	PORT_NUM3		Number	NO	NO	NO	NO	
	LU_USER_CODE		Varchar2(120)	YES	NO	NO	NO	
	LU		Date	YES	NO	NO	NO	
	LOAD_STATUS		Varchar2(1)	NO	NO	NO	NO	(P)ass - (F)ail
	LOAD_MSG		Varchar2(120)	NO	NO	NO	NO	Row level error message when load fail

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
Relationship43	Non-identifying	SRH.BATCH	SRH.LOAD_SCHEDULE	1:N

Triggers

Trigger Name
SRH.T_BIR_LOAD_SCHEDULE

"ERD", page 24

Entities

Entity 'SRH.LOAD_SE_LOGBOOK'

Caption	LOAD_SE_LOGBOOK	
Primary Key	PK_SE_LB	

Primary Key 'PK_SE_LB'

Attribute Name	type	Parent Entity
LOAD_SE_LOGBOOK_ID	PK	----

Entities

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	LOAD_SE_LOGBOOK_ID		Number	YES	NO	NO	NO	PK for this table (sequence)
FK	BATCH_ID		Number(10,0)	NO	NO	NO	NO	FK to Batch
	TRIPREP_ORTNUMBER		Number(6,0)	NO	NO	NO	NO	
	VESSELNAME		Varchar2(100)	NO	NO	NO	NO	
	VESSELCODE		Number(6,0)	NO	NO	NO	NO	
	VESSELA REACODE		Varchar2(2)	NO	NO	NO	NO	
	CAPTAIN NAME		Varchar2(100)	NO	NO	NO	NO	
	DEPARTDATE_TIME		Varchar2(30)	NO	NO	NO	NO	MM/DD/YYYY HH:MI:SS AM
	ARRIVEDATE_TIME		Varchar2(30)	NO	NO	NO	NO	yyyy-mm-dd hh:mm:ss
	TRIPTIME		Number(6,2)	NO	NO	NO	NO	
	TRIPTYPE		Number	NO	NO	NO	NO	Trip Type
	LATLONG		Varchar2(30)	NO	NO	NO	NO	
	LATMINUTES		Varchar2(30)	NO	NO	NO	NO	Values: (1,2,3,4,5,6)
	LONGMINUTES		Varchar2(1)	NO	NO	NO	NO	Values: (A,B,C,D,E,F)
	NUMANGLERS		Number(3,0)	NO	NO	NO	NO	
	MINDEPTH		Number(6,0)	NO	NO	NO	NO	
	MAXDEPTH		Number(6,0)	NO	NO	NO	NO	
	PRIMARY DEPTHFI SHED		Number(6,0)	NO	NO	NO	NO	
	UPDATED		Varchar2(30)	NO	NO	NO	NO	Boolean (False, True)
	VOIDED		Varchar2(30)	NO	NO	NO	NO	Boolean (False, True)
	SPECIES CODE		Varchar2(30)	NO	NO	NO	NO	
	NUMKEPT		Number(6,0)	NO	NO	NO	NO	

"ERD", page 26

Entities

	NUMRELE ASED	Number(6,0)	NO	NO	NO	NO	
	CATCHTR ANSACTI ONID	Number	NO	NO	NO	NO	
	LU_USER _CODE	Varchar2(1 20)	NO	NO	NO	NO	Last update user
	LU	Date	NO	NO	NO	NO	Last update date
	LOAD_ST ATUS	Varchar2(1)	NO	NO	NO	NO	(P)ass - (F)ail
	LOAD_MS G	Varchar2(1 20)	NO	NO	NO	NO	Row level error message when load fail

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
FK_SE_LB_BATCH	Non-identifying	SRH.BATCH	SRH.LOAD_SE_LOG BOOK	1:N

Triggers

Trigger Name
SRH.T_LOAD_SE_LOGBOOK

Comments

Table to receive Export file from SE Logbook system

"ERD", page 27

Entities

Entity 'SRH.MAINTENANCE_LIST'

Caption	MAINTENANCE_LIST		
Primary Key	PK_MAINTENANCE_LIST		

Primary Key 'PK_MAINTENANCE_LIST'

Attribute Name	type	Parent Entity
MAINTENANCE_LIST_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	MAINTENANCE_LIST_ID		Number	YES	NO	NO	NO	
	PAGE_NUM		Number	YES	YES	NO	NO	
	MAINTENANCE_LIST_NM		Varchar2(60)	NO	NO	NO	NO	
	MAINTENANCE_LIST_DESC		Varchar2(512)	NO	NO	NO	NO	
	CATEGORY		Varchar2(32)	NO	NO	NO	NO	
	ADMIN_OR_GROUP		Varchar2(32)	NO	NO	YES	NO	
	LU_USER		Varchar2(256)	NO	NO	NO	NO	
	LU		Date	NO	NO	NO	NO	

Keys

Key Type	Constraint Name	Attributes
PK	PK_MAINTENANCE_LIST	MAINTENANCE_LIST_ID
AK	PAGE_NUM	PAGE_NUM

Triggers

Trigger Name
SRH.T_MAINTENANCE_LIST_ID

Comments

Work table for APEX tool. Provide a list of tables which can be maintained by the users.

"ERD", page 28

Entities

Entity 'SRH.PA_LINK'

Caption	PA_LINK
Primary Key	Key15

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
	TRIP_HIS T_DETAIL _ID		Number	NO	NO	NO	NO	
	PORT_AG ENT_ID		Number	NO	NO	NO	NO	

"ERD", page 29

Entities

Entity 'SRH.PORT'

Caption	PORT		
Primary Key	PK_PORT_PK		

Primary Key 'PK_PORT_PK'

Attribute Name	type	Parent Entity
PORT_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	PORT_ID		Number	YES	NO	NO	NO	PK sequence
	PORT_NUM		Number(10, 0)	YES	YES	NO	NO	User defined port identifier
	PORT_NAME		Varchar2(1 20)	YES	NO	NO	NO	Name of the port
FK	AREA_ID		Number	YES	NO	NO	NO	Landing area associated with the Port location. This is not a Fishing Area.
	ADD_STR_1		Varchar2(1 20)	NO	NO	NO	NO	Port address
	ADD_STR_2		Varchar2(1 20)	NO	NO	NO	NO	Port address
	ADD_STR_3		Varchar2(1 20)	NO	NO	NO	NO	Port address
	CITY		Varchar2(1 20)	NO	NO	NO	NO	Port address
	STATE		Varchar2(1 20)	NO	NO	NO	NO	Port address
	ZIP		Varchar2(1 20)	NO	NO	NO	NO	Port address
	PHONE1		Varchar2(2 0)	NO	NO	NO	NO	
	PHONE2		Varchar2(1 20)	NO	NO	NO	NO	
	IS_ACTIVE		Number(1,0)	YES	NO	YES	NO	Indicates if this is an active port in use by poart agents and vessels
	LU_USER_CODE		Varchar2(1 20)	YES	NO	NO	NO	Last Update User
	LU		Date	YES	NO	NO	YES	Last Update (Date)

"ERD", page 30

Entities

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
RELATIONSHIP22	Non-identifying	SRH.PORT	SRH.VESSEL	1:N
Relationship46	Non-identifying	SRH.PORT	PORT_AGENT_PORT	1:N
Relationship47	Non-identifying	SRH.AREA	SRH.PORT	1:N
Relationship54	Non-identifying	SRH.PORT	SRH.TRIP_SCHEDULE	1:N

Keys

Key Type	Constraint Name	Attributes
PK	PK_PORT_PK	POR_ID
AK	PORT_NUM	PORT_NUM

Triggers

Trigger Name
SRH.T_LU_PORT2

Comments

Table of ports which are visited by Port Agents for sampling. A Cluster is a group of Ports.

"ERD", page 31

Entities

Entity 'SRH.PORT_AGENT'

Caption	PORT_AGENT		
Primary Key	PK_PORT_AGENT		

Primary Key 'PK_PORT_AGENT'

Attribute Name	type	Parent Entity
PORT_AGENT_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	PORT_AGENT_ID		Number	YES	NO	NO	NO	PK SRH sequence
	PORT_AGENT_NUM		Number	YES	NO	NO	NO	SRHS Port Agent ID
	PORT_AGENT_NAME		Varchar2(120)	YES	NO	NO	NO	Port Agent Name
	APP_USE_R_CODE		Varchar2(120)	YES	NO	NO	NO	Application Username
	IS_ACTIVE		Number(1,0)	YES	NO	NO	NO	Status 1-Active 0-Inactive
	AFFILIATION_AGENCY		Varchar2(20)	YES	NO	NO	NO	Port Agent affiliated Agency
	LU_USER_CODE		Varchar2(120)	YES	NO	NO	NO	Last Update User
	LU		Date	YES	NO	NO	NO	Last Update (Date)

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
FK_PORT_AGNT	Non-identifying	SRH.PORT_AGENT	SRH.TRIP_ACTIVITY	1:N
FK_TS_PORT_AGENT	Non-identifying	SRH.PORT_AGENT	SRH.SAMPLE_ACTIVITY	1:N
RELATIONSHIP10	Non-identifying	SRH.PORT_AGENT	SRH.TRIP_SCHEDULE	1:N
RELATIONSHIP25	Non-identifying	SRH.PORT_AGENT	SRH.TRIP_SAMPLE	1:N
RELATIONSHIP35	Non-identifying	SRH.PORT_AGENT	SRH.PORT_AGENT_AREA	1:N
Relationship45	Non-identifying	SRH.PORT_AGENT	PORT_AGENT_PORT	1:N

Keys

Key Type	Constraint Name	Attributes
PK	PK_PORT_AGENT	PORT_AGENT_ID
AK	PORT_AGENT_NUM	PORT_AGENT_NUM

"ERD", page 32

Entities**Indexes**

Index Name	Attributes	Unique
SRH.NX_PORT_AGENT_N AME	PORT_AGENT_NAME	NO

Triggers

Trigger Name
SRH.T_LU_PORT_AGENT

Comments

SRH list of users of the SEFSC Headboat system including port agents.

"ERD", page 33

Entities

Entity 'SRH.PORT_AGENT_AREA'

Caption	PORT_AGENT_AREA
Primary Key	Key16

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
	PORT_AGENT_AREA_ID		Number	NO	NO	NO	NO	PK Sequence
FK	PORT_AGENT_ID		Number	NO	NO	NO	NO	Port Agent ID
FK	AREA_ID		Number	NO	NO	NO	NO	Area assigned to the Port Agent
	LU_USER_CODE		Varchar2(1 20)	NO	NO	NO	NO	Last Update User
	LU		Date	NO	NO	NO	NO	Last Update (Date)

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
RELATIONSHIP34	Non-identifying	SRH.AREA	SRH.PORT_AGENT_AREA	1:N
RELATIONSHIP35	Non-identifying	SRH.PORT_AGENT	SRH.PORT_AGENT_AREA	1:N

Indexes

Index Name	Attributes	Unique
SRH.IX_RELATIONSHIP34	AREA_ID	NO
SRH.IX_RELATIONSHIP35	PORT_AGENT_ID	NO

Triggers

Trigger Name
SRH.T_LU_PORT_AGENT_AREA

Comments

Areas assigned to Port Agents

"ERD", page 34

Entities

Entity 'SRH.REASON_NO_HAR'

Caption	REASON_NO_HAR		
Primary Key	Key17		

Primary Key 'Key17'

Attribute Name	type	Parent Entity
REASON_NO_HAR_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	REASON_NO_HAR_ID		Number	YES	NO	NO	NO	
	REASON_NAME		Varchar2(1 20)	YES	YES	NO	NO	
	IS_COMM ENT_NEEDED		Number(1,0)	YES	NO	NO	NO	
	LU_USER_CODE		Varchar2(1 20)	YES	NO	NO	NO	
	LU		Date	YES	NO	NO	NO	

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
Relationship44	Non-identifying	SRH.REASON_NO_HAR	SRH.TRIP_ACTIVITY	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key17	REASON_NO_HAR_ID
AK	REASON_NAME	REASON_NAME

Triggers

Trigger Name
SRH.T_LU_REASON_NO_HAR

"ERD", page 35

Entities

Entity 'SRH.REASON_NO_SAMPLE'

Caption	REASON_NO_SAMPLE		
Primary Key	PK_REASON_NO_SAMPLE		

Primary Key 'PK_REASON_NO_SAMPLE'

Attribute Name	type	Parent Entity
REASON_NO_SAMPLE_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	REASON_NO_SAMPLE_ID		Number	YES	NO	NO	NO	PK for this table
	REASON_NAME		Varchar2(120)	YES	NO	NO	NO	Name of reason
	IS_COMMENT_NEEDED		Number(1,0)	YES	NO	NO	NO	Is a comment required
	LU_USER_CODE		Varchar2(120)	YES	NO	NO	NO	Last Update User
	LU		Date	YES	NO	NO	NO	Last Update Date

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
FK_TS_REASON	Non-identifying	SRH.REASON_NO_SAMPLE	SRH.SAMPLE_ACTIVITY	1:N

Triggers

Trigger Name
SRH.T_LU_REASON_NO_SAMPLE

Comments

Table of reasons for when a sample is not taken at an assigned port

"ERD", page 36

Entities

Entity 'SRH.REPORTS'

Caption	REPORTS		
Primary Key	PK_REPORTS_ID		

Primary Key 'PK_REPORTS_ID'

Attribute Name	type	Parent Entity
REPORTS_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
	PAGE_NUM		Number	YES	YES	NO	NO	APEX page for this report
PK	REPORTS_ID		Number	YES	NO	NO	NO	Internal Primary Key
	REPORT_NM		Varchar2(60)	YES	NO	NO	NO	Name of the report
	REPORT_DESC		Varchar2(512)	NO	NO	NO	NO	Description of the report - searchable
	CATEGORY		Varchar2(32)	YES	NO	NO	NO	To group reports into categories
	ADMIN_OR_GROUP		Varchar2(32)	NO	NO	NO	NO	
	LU_USER		Varchar2(256)	YES	NO	NO	NO	Last update user
	LU		Date	YES	NO	NO	NO	Last update

Keys

Key Type	Constraint Name	Attributes
PK	PK_REPORTS_ID	REPORTS_ID
AK	UN_RPT_NAME	REPORT_NM
AK	UN_RPT_PAGE_ID	PAGE_NUM
AK	PAGE_NUM	PAGE_NUM

Triggers

Trigger Name
SRH.T_REPORTS_ID

Comments

Report list. This list is used by SRH APEX to direct the user to the report which displays the interactive report.

"ERD", page 37

Entities

Entity 'SRH.SAMPLE_ACTIVITY'

Caption	SAMPLE_ACTIVITY	
Primary Key	PK_TRIP_SAM_ACTIVITY	

Primary Key 'PK_TRIP_SAM_ACTIVITY'

Attribute Name	type	Parent Entity
SAMPLE_ACTIVITY_ID	PK	----

"ERD", page 38

Entities

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	SAMPLE_ACTIVITY_ID		Number	YES	NO	NO	NO	PK for this table.
	SAMPLE_ACTIVITY_DATE		Date	YES	NO	NO	YES	Date of sampling activity
FK	VESSEL_ID		Number	YES	NO	NO	NO	FK to Vessel. Identifies the vessel from where the sample data/report was taken.
FK	PORT_AGENT_ID		Number	YES	NO	NO	NO	FK to Port Agent. Identifies Port Agent who worked with these vessels for sampling
FK	TRIP_SAMPLE_ID		Number	NO	NO	NO	NO	FK to Trip Sample. Identifies the trip sample data from the measuring board when sample taken.
FK	TRIP_TYPE_ID		Number(3,0)	YES	NO	NO	NO	FK to Trip Type. Identifies the type of fishing trip. i.e. half day.
FK	REASON_NO_SAMPLE_ID		Number	NO	NO	NO	NO	When no sample is taken from a vessel at the assigned port the agent is suppose to supply the reason for not taking the sample.
	REASON_NO_SAMPLE_COMMENT		Varchar2(1 20)	NO	NO	NO	NO	Comment for why trip was not sampled
	VESSEL_TRIP_NUM		Number(1,0)	NO	NO	NO	NO	Number of the trip for the vessel in the same day
	EXP_ARRIVAL_TIME		Varchar2(5)	NO	NO	NO	NO	Expected Arrival Time - 24 hour - 09:00
	ASSG_PORT_ORDER		Number(2,0)	NO	NO	NO	NO	Order of the ports on the assignment
	VESSEL_TRIP_ORDER		Number(2,0)	NO	NO	NO	NO	Alphabetical order according to port name and expected arrival time
	ANGLER_CNT		Number(3,0)	NO	NO	NO	NO	An observed count of the number of anglers on a fishing trip. For future use if Users decide to enter engler count while entering sample data instead of a seperate activity report.
	LU_USER_CODE		Varchar2(1 20)	YES	NO	NO	NO	Last Update User
	LU		Date	YES	NO	NO	YES	
	A_FIELD		Varchar2(3 0)	NO	NO	NO	NO	Used by trigger - special data processing field

"ERD", page 39

Entities

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
FK_TS_PORT_AGENT	Non-identifying	SRH.PORT_AGENT	SRH.SAMPLE_ACTIVITY	1:N
FK_TS_REASON	Non-identifying	SRH.REASON_NO_SAMPLE	SRH.SAMPLE_ACTIVITY	1:N
FK_TS_SAMPLE	Non-identifying	SRH.TRIP_SAMPLE	SRH.SAMPLE_ACTIVITY	1:N
FK_TS_TRIP_TYPE	Non-identifying	SRH.TRIP_TYPE	SRH.SAMPLE_ACTIVITY	1:N
FK_TS_VESSEL	Non-identifying	SRH.VESSEL	SRH.SAMPLE_ACTIVITY	1:N

Triggers

Trigger Name
SRH.T_LU_SAMPLE_ACTIVITY

"ERD", page 40

Entities**Entity 'SRH.SPECIES'**

Caption	SPECIES		
Primary Key	PK_SPECIES_PKQ		

Primary Key 'PK_SPECIES_PKQ'

Attribute Name	type	Parent Entity
SPECIES_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	SPECIES_ID		Number	YES	NO	NO	NO	PK for this table
	SPECIES_NUM		Number(6,0)	YES	NO	NO	NO	Numberic species code used by Beaufort measuring boards
	SPECIES_CODE_ST_R		Varchar2(10)	YES	NO	NO	NO	Numberic species code used by Beaufort measuring boards
	SPECIES_NAME		Varchar2(120)	YES	NO	NO	NO	Name
	SPECIES_GRP_CODE		Varchar2(10)	NO	NO	NO	NO	
	SPECIES_ITIS		Varchar2(60)	NO	NO	NO	NO	ITIS code for integrating with other systems
	LU_USER_CODE		Varchar2(120)	YES	NO	NO	NO	Last update user
	LU		Date	YES	NO	NO	NO	Last update date

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
FK_HB_RD_SPECIES	Non-identifying	SRH.SPECIES	SRH.HB_REPORT_DETAIL	1:N
RELATIONSHIP15	Non-identifying	SRH.SPECIES	SRH.TRIP_SAMPLE_DETAIL	1:N

Keys

Key Type	Constraint Name	Attributes
PK	PK_SPECIES_PKQ	SPECIES_ID
AK	UNK_NMQ	SPECIES_NAME
AK	UNK_NUMQ	SPECIES_NUM

Triggers

Trigger Name
SRH.T_LU_SPECIESX

"ERD", page 41

Entities

Entity 'SRH.TEMP_COLL_HIS'

Caption	TEMP_COLL_HIS
Primary Key	Key18

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
	START_COL		Number(8,0)	NO	NO	NO	NO	
	END_COL		Number(8,0)	NO	NO	NO	NO	
	AGENT_NA		Varchar2(120)	NO	NO	NO	NO	
	DATE_COL		Varchar2(10)	NO	NO	NO	NO	
	ISSUED_BY		Varchar2(5)	NO	NO	NO	NO	
	REGION		Varchar2(6)	NO	NO	NO	NO	

Indexes

Index Name	Attributes	Unique
SRH.NX_COLL_END	END_COLL	NO
SRH.NX_COLL_START	START_COLL	NO

"ERD", page 42

Entities

Entity 'SRH.TRIP_ACTIVITY'

Caption	TRIP_ACTIVITY	
Primary Key	PK_TRIP_ACTIVITY	

Primary Key 'PK_TRIP_ACTIVITY'

Attribute Name	type	Parent Entity
TRIP_ACTIVITY_ID	PK	----

"ERD", page 43

Entities

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	TRIP_ACTIVITY_ID		Number	YES	NO	NO	NO	PK Sequence
	TRIP_ACTIVITY_DATE		Date	YES	NO	NO	YES	Date of Trip Summary Log
FK	PORT_AGENT_ID		Number	YES	NO	NO	NO	Port agent recording the trip activity
	TRIP_SAMPLE_ID		Number	NO	NO	NO	NO	No Used - to be removed
FK	TRIP_TYPE_ID		Number(3,0)	NO	NO	NO	NO	FK trip_types
FK	REASON_NO_HAR_ID		Number	NO	NO	NO	NO	FK to Reason Table -- Reason why the interview/sample didn't happen
FK	VESSEL_ID		Number	YES	NO	NO	NO	Vessel associated with the trip activity report
	VESSEL_TRIP_NUM		Number(1,0)	NO	NO	NO	NO	No Used - to be removed
	EXP_ARRIVAL_TIME		Varchar2(5)	NO	NO	NO	YES	No Used - to be removed
	ASSG_PORT_ORDER		Number(2,0)	NO	NO	NO	NO	No Used - to be removed
	VESSEL_TRIP_ORDER		Number(2,0)	NO	NO	NO	NO	No Used - to be removed
	ANGLER_CNT		Number(3,0)	NO	NO	NO	NO	An observed count of the number of anglers on a fishing trip.
	LU_USER_CODE		Varchar2(1 20)	YES	NO	NO	NO	
	LU	Date		YES	NO	NO	YES	
	A_FIELD		Varchar2(3 0)	NO	NO	NO	NO	Field used by Apex UI
	REASON_NO_SAMPLE_ID		Number	NO	NO	NO	NO	No Used - to be removed
	REASON_NO_SAMPLE_COMMENT		Varchar2(1 20)	NO	NO	NO	NO	No Used - to be removed
	REASON_NO_HAR_COMMENT		Varchar2(1 20)	NO	NO	NO	NO	Comment why no activity report for this vessel on this day

"ERD", page 44

Entities

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
FK_PORT_AGNT	Non-identifying	SRH.PORT_AGENT	SRH.TRIP_ACTIVITY	1:N
FK_T_TYPE	Non-identifying	SRH.TRIP_TYPE	SRH.TRIP_ACTIVITY	1:N
FK_VESSL	Non-identifying	SRH.VESSEL	SRH.TRIP_ACTIVITY	1:N
Relationship44	Non-identifying	SRH.REASON_NO_HAR	SRH.TRIP_ACTIVITY	1:N

Keys

Key Type	Constraint Name	Attributes
PK	PK_TRIP_ACTIVITY	TRIP_ACTIVITY_ID
AK	UK_V_TRIP_DAY	VESSEL_ID, TRIP_TYPE_ID, TRIP_ACTIVITY_DATE

Indexes

Index Name	Attributes	Unique
SRH.IX_RELATIONSHIP23	PORT_AGENT_ID	NO
SRH.IX_RELATIONSHIP42		NO
SRH.UK_TRIP_SAMPLE_ID	TRIP_SAMPLE_ID	YES

Triggers

Trigger Name
SRH.T_LU_TRIP_ACTIVITY

Comments

Stores information about the port agent schedule. Where the port agent planned to go and take samples, what interviews and samples they obtained, etc. This table also links to TRIP_SAMPLE to put together the measuring board data with the port agent interview summary information.

"ERD", page 45

Entities

Entity 'SRH.TRIP_ASSIGNMENT_SUM'

Caption	TRIP_ASSIGNMENT_SUM		
Primary Key	PK_TRIP_ASSIGNMENT_SUM		

Primary Key 'PK_TRIP_ASSIGNMENT_SUM'

Attribute Name	type	Parent Entity
TRIP_ASSIGNMENT_SUM_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	TRIP_ASSIGNMENT_SUM_ID		Number	YES	NO	NO	NO	PK Sequence
FK	TRIP_SCHEDULE_ID		Number	NO	NO	NO	NO	FK trip schedule ID
FK	TRIP_SAMPLE_ID		Number	NO	NO	NO	NO	FK to Trip_sample. This is the link between the port agent activities (completed assignments to take samples) and the measuring board data.
FK	TRIP_TYPE_ID		Number(3,0)	NO	NO	NO	NO	FK trip_types
FK	VESSEL_ID		Number	NO	NO	NO	NO	FK to vessel
	VESSEL_TRIP_NUM		Number(1,0)	NO	NO	NO	NO	Number of the trip for the vessel in the same day
	EXP_ARRIVAL_TIME		Date	NO	NO	NO	YES	Expected Arrival Time
	ASSG_PORT_ORDER		Number(2,0)	NO	NO	NO	NO	Order of the ports on the assignment
	VESSEL_TRIP_ORDER		Number(2,0)	NO	NO	NO	NO	Alphabetical order according to port name and expected arrival time
	ANGLER_CNT		Number(3,0)	NO	NO	NO	NO	An observed count of the number of anglers on a fishing trip.
	LU_USER_CODE		Varchar2(1 20)	YES	NO	NO	NO	Last update user
	LU		Date	YES	NO	NO	YES	Last updated
	TRIP_DATE		Date	NO	NO	NO	YES	Date of Trip

"ERD", page 46

Entities

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
RELATIONSHIP006	Non-identifying	SRH.TRIP_SAMPLE	SRH.TRIP_ASSIGNMENT_SUM	1:N
RELATIONSHIP19	Non-identifying	SRH.VESSEL	SRH.TRIP_ASSIGNMENT_SUM	1:N
RELATIONSHIP7	Non-identifying	SRH.TRIP_SCHEDULE	SRH.TRIP_ASSIGNMENT_SUM	1:N
RELATIONSHIP9	Non-identifying	SRH.TRIP_TYPE	SRH.TRIP_ASSIGNMENT_SUM	1:N

Indexes

Index Name	Attributes	Unique
SRH.IX_RELATIONSHIP19	VESSEL_ID	NO
SRH.IX_RELATIONSHIP6	TRIP_SAMPLE_ID	NO
SRH.IX_RELATIONSHIP7	TRIP_SCHEDULE_ID	NO
SRH.IX_RELATIONSHIP8		NO
SRH.IX_RELATIONSHIP9	TRIP_TYPE_ID	NO

Triggers

Trigger Name
SRH.T_TRIP_ASSIGNMENT_SUM

Comments

Stores information about the port agent schedule. Where the port agent planned to go and take samples, what interviews and samples they obtained, etc. This table also links to TRIP_SAMPLE to put together the measuring board data with the port agent interview summary information.

"ERD", page 47

Entities

Entity 'SRH.TRIP_HIST_DETAIL'

Caption	TRIP_HIST_DETAIL
Primary Key	Key21

"ERD", page 48

Entities

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
	TRIP_COLLECTION_NUM		Varchar2(10)	NO	NO	NO	NO	
	TRIP_SAMPLE_SEQ		Number	NO	NO	NO	NO	
	TRIP_DATE		Date	NO	NO	NO	NO	
	TRIP_AREA_CD		Varchar2(5)	NO	NO	NO	NO	
	TRIP_VESSEL_ID		Number	NO	NO	NO	NO	
	TRIP_VESSEL_TYPE		Number	NO	NO	NO	NO	
	SPECIES_CODE		Varchar2(10)	NO	NO	NO	NO	
	TOTAL_LENGTH		Number(10, 0)	NO	NO	NO	NO	
	WEIGHT		Number(10, 2)	NO	NO	NO	NO	
	SEX_CODE		Varchar2(1)	NO	NO	NO	NO	
	FORK_LENGTH		Number(10, 0)	NO	NO	NO	NO	
	SCALES_SAMPLE		Number(1,0)	NO	NO	NO	NO	
	OTOLITHS_SAMPLE		Number(1,0)	NO	NO	NO	NO	
	SPINES_SAMPLE		Number(1,0)	NO	NO	NO	NO	
	STOMACH_SAMPLE		Number(1,0)	NO	NO	NO	NO	
	GONAD_SAMPLE		Number(1,0)	NO	NO	NO	NO	
	TRIP_YEAR		Number	NO	NO	NO	NO	
	TRIP_MONTH		Number	NO	NO	NO	NO	
	TRIP_DAY		Number	NO	NO	NO	NO	
	PORT_AGENT_ID		Number	NO	NO	NO	NO	
	TRIP_HISHT_DETAIL_ID		Number	NO	NO	NO	NO	

"ERD", page 49

Entities

Entity 'SRH.TRIP_HISTORICAL'

Caption	TRIP_HISTORICAL
Primary Key	Key20

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
	TRIP_COLLECTION_NUM		Varchar2(10)	NO	NO	NO	NO	
	TRIP_SAMPLE_SEQ		Number	NO	NO	NO	NO	
	TRIP_DATE		Date	NO	NO	NO	NO	
	TRIP_AREA_CD		Varchar2(5)	NO	NO	NO	NO	
	TRIP_VESSEL_ID		Number	NO	NO	NO	NO	
	TRIP_VESSEL_TYPE		Number	NO	NO	NO	NO	
	SPECIES_CODE		Varchar2(10)	NO	NO	NO	NO	
	TOTAL_LENGTH		Number(10, 0)	NO	NO	NO	NO	
	WEIGHT		Number(10, 2)	NO	NO	NO	NO	
	SEX_CODE		Varchar2(1)	NO	NO	NO	NO	
	FORK_LENGTH		Number(10, 0)	NO	NO	NO	NO	
	SCALES_SAMPLE		Number(1,0)	NO	NO	NO	NO	
	OTOLITHS_SAMPLE		Number(1,0)	NO	NO	NO	NO	
	SPINES_SAMPLE		Number(1,0)	NO	NO	NO	NO	
	STOMACH_SAMPLE		Number(1,0)	NO	NO	NO	NO	
	GONAD_SAMPLE		Number(1,0)	NO	NO	NO	NO	
	TRIP_YEAR		Number	NO	NO	NO	NO	
	TRIP_MONTH		Number	NO	NO	NO	NO	
	TRIP_DAY		Number	NO	NO	NO	NO	

"ERD", page 50

Entities

Entity 'SRH.TRIP_SAMPLE'

Caption	TRIP_SAMPLE		
Primary Key	PK_TRIP_SAMPLE		

Primary Key 'PK_TRIP_SAMPLE'

Attribute Name	type	Parent Entity
TRIP_SAMPLE_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	TRIP_SAMPLE_ID		Number	YES	NO	NO	NO	PK Sequence
FK	BATCH_ID		Number(10, 0)	YES	NO	NO	NO	Batch ID used to load the data
	TRIP_COLLECTION_NUM		Number(10, 0)	YES	NO	NO	NO	SRHS Collection Number
	TRIP_DATE		Date	YES	NO	NO	YES	Trip Date
FK	AREA_ID		Number	YES	NO	NO	NO	Area code for the trip
FK	VESSEL_ID		Number	NO	NO	NO	NO	FK Vessel
FK	VESSEL_TYPE_ID		Char(20)	YES	NO	NO	NO	Vessel Type for this trip
FK	PORT_AGENT_ID		Number	YES	NO	NO	NO	PK SRH sequence
	LU_USER_CODE		Varchar2(1 20)	YES	NO	NO	NO	Last Updated by User Code
	LU		Date	YES	NO	NO	YES	Last Updated

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
FK_TS_SAMPLE	Non-identifying	SRH.TRIP_SAMPLE	SRH.SAMPLE_ACTIVITY	1:N
RELATIONSHIP006	Non-identifying	SRH.TRIP_SAMPLE	SRH.TRIP_ASSIGNMENT_SUM	1:N
RELATIONSHIP20	Non-identifying	SRH.AREA	SRH.TRIP_SAMPLE	1:N
RELATIONSHIP21	Non-identifying	SRH.VESSEL	SRH.TRIP_SAMPLE	1:N
RELATIONSHIP25	Non-identifying	SRH.PORT_AGENT	SRH.TRIP_SAMPLE	1:N
RELATIONSHIP299	Non-identifying	SRH.BATCH	SRH.TRIP_SAMPLE	1:N
RELATIONSHIP312	Non-identifying	SRH.TRIP_SAMPLE	SRH.TRIP_SAMPLE_DETAIL	1:N
Relationship55	Non-identifying	VESSEL_TYPE	SRH.TRIP_SAMPLE	1:N

"ERD", page 51

Entities

Keys

Key Type	Constraint Name	Attributes
PK	PK_TRIP_SAMPLE_	TRIP_SAMPLE_ID
AK	TRIP_COLLECTION_NUM_	TRIP_COLLECTION_NUM, VESSEL_ID

Indexes

Index Name	Attributes	Unique
SRH.IX_RELATIONSHIP00_2	BATCH_ID	NO
SRH.IX_RELATIONSHIP20	AREA_ID	NO
SRH.IX_RELATIONSHIP21	VESSEL_ID	NO
SRH.IX_RELATIONSHIP25	PORT_AGENT_ID	NO

Triggers

Trigger Name
SRH.T_LU_TRIP_SAMPLE

Comments

From the measuring board data. This table holds the interviews/trips where a port agent obtained samples. The samples from the interviews are stored in TRIP_SAMPLE_DETAIL

"ERD", page 52

Entities

Entity 'SRH.TRIP_SAMPLE_DETAIL'

Caption	TRIP_SAMPLE_DETAIL		
Primary Key	PK_TRIP_SAMPLE_DETAIL2		

Primary Key 'PK_TRIP_SAMPLE_DETAIL2'

Attribute Name	type	Parent Entity
TRIP_SAMPLE_DETAIL_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	TRIP_SAMPLE_DETAIL_ID		Number	YES	NO	NO	NO	PK Sequence
FK	TRIP_SAMPLE_ID		Number	YES	NO	NO	NO	FK to TRIP_SAMPLE
	TRIP_SAMPLE_SEQUENCE		Number(3,0)	YES	NO	NO	NO	Board sample sequence
FK	SPECIES_ID		Number	NO	NO	NO	NO	FK to species
	TOTAL_LENGTH		Number(10, 0)	NO	NO	NO	NO	Total Length
	WEIGHT		Number(10, 2)	NO	NO	NO	NO	Weight
	SEX_CODE		Varchar2(1)	NO	NO	NO	NO	Sex Code 'M' 'F'
	FORK_LENGTH		Number(10, 0)	NO	NO	NO	NO	Fork Length
	SCALES_SAMPLE		Number(1,0)	NO	NO	NO	NO	scales taken 1 Yes, 0 No
	OTOLITHS_SAMPLE		Number(1,0)	NO	NO	NO	NO	Otoliths taken
	SPINES_SAMPLE		Number(1,0)	NO	NO	NO	NO	Spines taken
	STOMACHS_SAMPLE		Number(1,0)	NO	NO	NO	NO	Stomachs taken
	GONADSAMPLE		Number(1,0)	NO	NO	NO	NO	Gonads taken
	LU_USER_CODE		Varchar2(1 20)	YES	NO	NO	NO	Last Updated by User
	LU		Date	YES	NO	NO	YES	Last Updated

"ERD", page 53

Entities

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
RELATIONSHIP15	Non-identifying	SRH.SPECIES	SRH.TRIP_SAMPLE_DETAIL	1:N
RELATIONSHIP312	Non-identifying	SRH.TRIP_SAMPLE	SRH.TRIP_SAMPLE_DETAIL	1:N

Indexes

Index Name	Attributes	Unique
SRH.IX_RELATIONSHIP15	SPECIES_ID	NO
SRH.IX_RELATIONSHIP312	TRIP_SAMPLE_ID	NO

Triggers

Trigger Name
SRH.T_LU_TRIP_SAMPLE_DETAIL

Comments

Details by species for the Trip.

From the measuring board data. This table holds the samples which were taken by a port agent. The interviews/trips for these samples are stored in TRIP_SAMPLE

"ERD", page 54

Entities

Entity 'SRH.TRIP_SAMPLE_PA'

Caption	TRIP_SAMPLE_PA
Primary Key	Key24

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
	TRIP_SA MPLLE_ID		Number	YES	NO	NO	NO	
	TRIP_DATE		Date	YES	NO	NO	NO	
	DATE_COL		Varchar2(10)	NO	NO	NO	NO	
	REGION		Varchar2(6)	NO	NO	NO	NO	
	AGENT_N AME		Varchar2(120)	NO	NO	NO	NO	
	PORT_A GENT_ID		Number	NO	NO	NO	NO	

"ERD", page 55

Entities

Entity 'SRH.TRIP_SCHEDULE'

Caption	TRIP_SCHEDULE		
Primary Key	PK_TRIP_SCHEDULE2		

Primary Key 'PK_TRIP_SCHEDULE2'

Attribute Name	type	Parent Entity
TRIP_SCHEDULE_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	TRIP_SCHEDULE_ID		Number	YES	NO	NO	NO	PK for TRIP_SCHEDULE
FK	BATCH_ID		Number(10, 0)	YES	NO	NO	NO	
FK	PORT_AGENT_ID		Number	YES	NO	NO	NO	FK SRH Port Agent ID
	TRIP_SCHEDULE_DATE		Date	YES	NO	NO	NO	Date of trip schedule assignment
	CLUSTER_ID		Number	YES	NO	NO	NO	FK SRH Cluster ID. A cluster is a group of ports which the port agent is asked to visit in their assignment schedule.
FK	PORT_ID		Number	NO	NO	NO	NO	
	LU_USER_CODE		Varchar2(120)	NO	NO	NO	NO	Last Updated by User ID
	LU		Date	NO	NO	NO	YES	Last update date

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
RELATIONSHIP10	Non-identifying	SRH.PORT_AGENT	SRH.TRIP_SCHEDULE	1:N
RELATIONSHIP5	Non-identifying	SRH.BATCH	SRH.TRIP_SCHEDULE	1:N
RELATIONSHIP7	Non-identifying	SRH.TRIP_SCHEDULE	SRH.TRIP_ASSIGNMENT_SUM	1:N
Relationship54	Non-identifying	SRH.PORT	SRH.TRIP_SCHEDULE	1:N

Indexes

Index Name	Attributes	Unique
SRH.IX_RELATIONSHIP10	PORT_AGENT_ID	NO
SRH.IX_RELATIONSHIP14	TRIP_SCHEDULE_DATE	NO
SRH.IX_RELATIONSHIP18		NO
SRH.IX_RELATIONSHIP5	BATCH_ID	NO
SRH.Key20	TRIP_SCHEDULE_ID	YES

"ERD", page 56

Entities**Triggers**

Trigger Name

SRH.T LU_TRIP_SCHEDULE

Comments

The port agent assignments which are uploaded by Beaufort lab. This table holds the data after it has been processed through the upload table LOAD_SCHEDULE

"ERD", page 57

Entities**Entity 'SRH.TRIP_TYPE'**

Caption	TRIP_TYPE		
Primary Key	PK_TRIP_TYPE		

Primary Key 'PK_TRIP_TYPE'

Attribute Name	type	Parent Entity
TRIP_TYPE_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	TRIP_TYPER_ID		Number(3,0)	NO	NO	NO	NO	PK Sequence. Numeric SRHS code
	TRIP_TYPER_NUM		Number(6,0)	YES	YES	NO	NO	Trip Type Number known by users
	TRIP_TYPER_NAME		Varchar2(60)	YES	YES	NO	NO	Trip Type Name
	TRIP_TYPER_DESC		Varchar2(240)	NO	NO	NO	NO	Trip Type Description
	ANGLER_HRS_MIN		Number(3,0)	NO	NO	NO	NO	Minimum range in hours for type
	ANGLER_HRS_MAX		Number(3,0)	NO	NO	NO	NO	Maximum range in hours for type
	IS_RARE_EVENT		Varchar2(1)	NO	NO	NO	NO	Y for Rare event
	ANGLER_HRS_CONVERSION		Number(4,1)	NO	NO	NO	NO	Conversion to Full day
	LU_USER_CODE		Varchar2(120)	YES	NO	NO	NO	Last Update User
	LU		Date	YES	NO	NO	NO	Last Update (Date)

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
FK_HB_R_TTYPE	Non-identifying	SRH.TRIP_TYPE	SRH.HB_REPORT	1:N
FK_TS_TRIP_TYPE	Non-identifying	SRH.TRIP_TYPE	SRH.SAMPLE_ACTIVITY	1:N
FK_T_TYPE	Non-identifying	SRH.TRIP_TYPE	SRH.TRIP_ACTIVITY	1:N
RELATIONSHIP9	Non-identifying	SRH.TRIP_TYPE	SRH.TRIP_ASSIGNMENT_SUM	1:N

"ERD", page 58

Entities**Keys**

Key Type	Constraint Name	Attributes
PK	PK_TRIP_TYPE	TRIP_TYPE_ID
AK	TRIP_TYPE_NM	TRIP_TYPE_NAME
AK	TRIP_TYPE_NAME	TRIP_TYPE_NAME
AK	TRIP_TYPE_NUM	TRIP_TYPE_NUM

Triggers

Trigger Name
SRH.T_LU_TRIP_TYPE

Comments

Table of types of trips. I.e. half day, full day, etc.

"ERD", page 59

Entities

Entity 'SRH.VESSEL'

Caption	VESSEL
Primary Key	PK_VESSEL2

Primary Key 'PK_VESSEL2'

Attribute Name	type	Parent Entity
VESSEL_ID	PK	----

"ERD", page 60

Entities

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	VESSEL_ID		Number	YES	NO	NO	NO	PK sequence
	VESSEL_NAME		Varchar2(62)	YES	NO	NO	NO	Name of the vessel
	USCG_NUM		Varchar2(30)	NO	NO	NO	NO	USCG Ofice document number
	STATE_REG_NUM		Varchar2(30)	NO	NO	NO	NO	State registration number (should only have this when no USCG number)
FK	AREA_ID		Number	NO	NO	NO	NO	FK vessel Default fishing area. This value can be used when no Let/Lon reported.
FK	PORT_ID		Number	NO	NO	NO	NO	FK port
	REGION		Varchar2(10)	NO	NO	NO	NO	Reagion where the vessel fishes
	IS_IN_SURVEY		Number(1,0)	YES	NO	NO	NO	Is the vessel actively participating in the headboar survey
	PERMIT_HOLD		Number(1,0)	YES	NO	NO	NO	
	IS_COOP		Number(1,0)	YES	NO	NO	NO	Is the vessel a coop
	COMMENTS		Varchar2(512)	NO	NO	NO	NO	User comments on the vessel
	VESSEL_NUM		Number(5,0)	YES	NO	NO	NO	User assigned vessel code
	WEB_URL		Varchar2(512)	NO	NO	NO	NO	Vessel advertising website
FK	VESSEL_TYPE_ID		Number	NO	NO	NO	NO	
	INACTIVE_START_DATE		Date	NO	NO	NO	NO	Records a start date for a vessel's inacvitiy (getting painted/in the shop)
	INACTIVE_END_DATE		Date	NO	NO	NO	NO	Records an end date for a vessel's inacvitiy (finished getting painted/back out of the shop)
	INACTIVE_REASON		Varchar2(120)	NO	NO	NO	NO	
	LU_USER_CODE		Varchar2(120)	YES	NO	NO	NO	Last Update User
	LU		Date	YES	NO	NO	YES	Last Update (Date)

"ERD", page 61

Entities

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
FK_HB_R_VESSEL	Non-identifying	SRH.VESSEL	SRH.HB_REPORT	1:N
FK_TS_VESSEL	Non-identifying	SRH.VESSEL	SRH.SAMPLE_ACTIVITY	1:N
FK_VESSL	Non-identifying	SRH.VESSEL	SRH.TRIP_ACTIVITY	1:N
RELATIONSHIP12	Non-identifying	SRH.VESSEL	SRH.VESSEL_ENTT_RLTN	1:N
RELATIONSHIP16	Non-identifying	SRH.AREA	SRH.VESSEL	1:N
RELATIONSHIP19	Non-identifying	SRH.VESSEL	SRH.TRIP_ASSIGNMENT_SUM	1:N
RELATIONSHIP21	Non-identifying	SRH.VESSEL	SRH.TRIP_SAMPLE	1:N
RELATIONSHIP22	Non-identifying	SRH.PORT	SRH.VESSEL	1:N
Relationship57	Non-identifying	VESSEL_TYPE	SRH.VESSEL	1:N
Relationship58	Non-identifying	SRH.VESSEL	INACTIVE_LOG	1:N

Indexes

Index Name	Attributes	Unique
SRH.IX_RELATIONSHIP16	AREA_ID	NO
SRH.IX_RELATIONSHIP17		NO
SRH.IX_RELATIONSHIP22	PORT_ID	NO
SRH.Key24	VESSEL_ID	YES

Triggers

Trigger Name
SRH.T_LU_VESSEL

Comments

SRH list of vessels participating in the headboard survey program.

"ERD", page 62

Entities
Entity 'SRH.VESSEL_ENTITIES'

Caption	VESSEL_ENTITIES
Primary Key	Key27

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
	VESSEL_ID		Number	NO	NO	NO	NO	
	VESSEL_RLTN_IND		Varchar2(20)	NO	NO	NO	NO	
	IND_FIRST_NAME		Varchar2(120)	NO	NO	NO	NO	
	IND_LAST_NAME		Varchar2(120)	NO	NO	NO	NO	
	IND_SUFFIX		Varchar2(120)	NO	NO	NO	NO	
	IND_ADD_ST1		Varchar2(120)	NO	NO	NO	NO	
	IND_ADD_ST2		Varchar2(120)	NO	NO	NO	NO	
	IND_ADD_ST3		Varchar2(120)	NO	NO	NO	NO	
	IND_ADD_CITY		Varchar2(120)	NO	NO	NO	NO	
	IND_ADD_ST		Varchar2(20)	NO	NO	NO	NO	
	IND_ADD_ZIP		Varchar2(10)	NO	NO	NO	NO	
	IND_PHONE1		Varchar2(20)	NO	NO	NO	NO	
	IND_PHO_NE2		Varchar2(20)	NO	NO	NO	NO	
	IND_PHO_NE3		Varchar2(20)	NO	NO	NO	NO	
	IND_PHO_NE4		Varchar2(20)	NO	NO	NO	NO	
	IND_EMAIL		Varchar2(120)	NO	NO	NO	NO	

"ERD", page 63

Entities

Entity 'SRH.VESSEL_ENTT_RLTN'

Caption	VESSEL_ENTT_RLTN		
Primary Key	PK_VESSEL_ENTT_RLTN2		

Primary Key 'PK_VESSEL_ENTT_RLTN2'

Attribute Name	type	Parent Entity
VESSEL_ENTT_RLTN_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	VESSEL_ENTT_RLTN_ID		Char(20)	YES	NO	NO	NO	PK sequence
FK	VESSEL_ID		Number	YES	NO	NO	NO	FK to Vessel
FK	ENTT_ID		Number	YES	NO	NO	NO	FK to Entity (ENTT)
	RLTN_CODE		Varchar2(20)	YES	NO	NO	NO	OWNER or CAPTAIN
	IS_CONTACT		Varchar2(1)	YES	NO	NO	NO	Is this person a contract for the vessel.
	RLTN_EX_P_DT		Date	NO	NO	NO	NO	Relationship ending date
	RLTN_EX_P_REASON		Varchar2(120)	NO	NO	NO	NO	Relationship ending reason
	PERMIT_TYPE		Varchar2(1)	NO	NO	NO	NO	Permit type such as fed or state
	PERMIT_NUM		Varchar2(60)	NO	NO	NO	NO	Permit number for the person/business related to the vessel
	LU_USER_CODE		Varchar2(120)	YES	NO	NO	NO	Last Update User
	LU		Date	YES	NO	NO	YES	Last Update (Date)

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
RELATIONSHIP12	Non-identifying	SRH.VESSEL	SRH.VESSEL_ENTT_RLTN	1:N
RELATIONSHIP13	Non-identifying	SRH.ENTT	SRH.VESSEL_ENTT_RLTN	1:N

Indexes

Index Name	Attributes	Unique
SRH.IX_RELATIONSHIP12	VESSEL_ID	NO
SRH.IX_RELATIONSHIP13	ENTT_ID	NO
SRH.Key23	VESSEL_ENTT_RLTN_ID	YES

"ERD", page 64

Entities
Triggers
Trigger Name
SRH.T LU_VESSEL_ENTT_RLTN
Comments

Table to support the relationships between people and vessels. I.e. owners of vessels, captains of vessels, etc.

"ERD", page 65

Entities

Entity 'SRH.ZONE'

Caption	ZONE		
Primary Key	Key31		

Primary Key 'Key31'

Attribute Name	type	Parent Entity
ZONE_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	ZONE_ID		Number	YES	NO	NO	NO	
	ZONE_CODE		Varchar2(10)	YES	YES	NO	NO	Group of areas for assignments
	ZONE_NAME		Varchar2(120)	YES	YES	NO	NO	Zone Name
	LU_USER_CODE		Varchar2(120)	NO	NO	NO	NO	Last updated User
	LU		Date	NO	NO	NO	NO	Last Update (Date)

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
Relationship49	Non-identifying	SRH.ZONE	SRH.AREA	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key31	ZONE_ID
AK	ZONE_CODE	ZONE_CODE
AK	ZONE_NAME	ZONE_NAME

"ERD", page 66

Entities

Entity 'VESSEL_TYPE'

Caption	VESSEL_TYPE		
Primary Key	Key34		

Primary Key 'Key34'

Attribute Name	type	Parent Entity
VESSEL_TYPE_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	VESSEL_TYPE_ID		Char(20)	YES	NO	NO	NO	
	VESSEL_TYPE_NAME		Varchar2(60)	YES	YES	NO	NO	
	LU_USER_CODE		Varchar2(120)	YES	NO	NO	NO	Last Updated by User
	LU		Date	YES	NO	NO	YES	Last Updated

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
Relationship55	Non-identifying	VESSEL_TYPE	SRH.TRIP_SAMPLE	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key34	VESSEL_TYPE_ID
AK	VESSEL_TYPE_NAME	VESSEL_TYPE_NAME

"ERD", page 67

Entities

Entity 'VESSEL_TYPE'

Caption	VESSEL_TYPE		
Primary Key	Key36		

Primary Key 'Key36'

Attribute Name	type	Parent Entity
VESSEL_TYPE_ID	PK	----

Attributes

Key	Attribute Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	VESSEL_TYPE_ID		Number	YES	YES	NO	NO	PK for this table
	VESSEL_TYPE_NUM		Number(6,0)	YES	YES	NO	NO	Vessel Type Number known by users
	VESSEL_TYPE_NAME		Varchar2(60)	YES	YES	NO	NO	Vessel Type Name
	LU_USER_CODE		Varchar2(120)	NO	NO	NO	NO	Last Update User
	LU		Date	NO	NO	NO	NO	Last Update

Relationships

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
Relationship57	Non-identifying	VESSEL_TYPE	SRH.VESSEL	1:N

Keys

Key Type	Constraint Name	Attributes
PK	Key36	VESSEL_TYPE_ID
AK	VESSEL_TYPE_ID	VESSEL_TYPE_ID
AK	VESSEL_TYPE_NUM	VESSEL_TYPE_NUM
AK	VESSEL_TYPE_NAME	VESSEL_TYPE_NAME

¹⁾Not Null

²⁾Unique

³⁾Check

⁴⁾Default

"ERD", page 68

Attributes**Attribute Report**

Attribute Name	Entity Name	Domain	Data Type	PK	FK
END_DATE	INACTIVE_LOG		Date	NO	NO
INACTIVE_LOG_ID	INACTIVE_LOG		Number	YES	NO
LU	INACTIVE_LOG		Date	NO	NO
LU_USRE_CODE	INACTIVE_LOG		Varchar2(120)	NO	NO
START_DATE	INACTIVE_LOG		Date	NO	NO
VESSEL_ID	INACTIVE_LOG		Number	NO	YES
LU	PORT_AGENT_PORT		Date	NO	NO
LU_USER_CODE	PORT_AGENT_PORT		Varchar2(120)	NO	NO
PORT_AGENT_ID	PORT_AGENT_PORT		Number	NO	YES
PORT_AGENT_PORT_ID	PORT_AGENT_PORT		Number	YES	NO
PORT_ID	PORT_AGENT_PORT		Number	NO	YES
ANG_DAYS_ESTIMATES_ID	SRH.ANG_DAYS_ESTIMATES		Number	YES	NO
AREA_ID	SRH.ANG_DAYS_ESTIMATES		Number	NO	NO
BATCH_ID	SRH.ANG_DAYS_ESTIMATES		Number(10,0)	NO	YES
EST_ANGDAYS	SRH.ANG_DAYS_ESTIMATES		Number	NO	NO
EST_MONTH	SRH.ANG_DAYS_ESTIMATES		Number	NO	NO
EST_YEAR	SRH.ANG_DAYS_ESTIMATES		Varchar2(42)	NO	NO
LU	SRH.ANG_DAYS_ESTIMATES		Date	NO	NO
LU_USER_CODE	SRH.ANG_DAYS_ESTIMATES		Varchar2(120)	NO	NO
AREA_ID	SRH.AREA		Number	YES	NO
AREA_NAME	SRH.AREA		Varchar2(60)	NO	NO
AREA_NUM	SRH.AREA		Number(6,0)	NO	NO
DESCRIPTION	SRH.AREA		Varchar2(120)	NO	NO
IS_ACTIVE	SRH.AREA		Number(1,0)	NO	NO
IS_LANDING_AREA	SRH.AREA		Number(1,0)	NO	NO
LU	SRH.AREA		Date	NO	NO
LU_USER_CODE	SRH.AREA		Varchar2(120)	NO	NO
ZONE_ID	SRH.AREA		Number	NO	YES
BATCH_ID	SRH.BATCH		Number(10,0)	YES	NO
FILE_TYPE	SRH.BATCH		Varchar2(1)	NO	NO
INTERNAL_FILE_NM	SRH.BATCH		Varchar2(512)	NO	NO

"ERD", page 69

Attributes

INVALID_CNT	SRH.BATCH	Number(10,0)	NO	NO
LU	SRH.BATCH	Date	NO	NO
LU_USER_CODE	SRH.BATCH	Varchar2(12 0)	NO	NO
MSG	SRH.BATCH	Varchar2(51 2)	NO	NO
RECORD_CNT	SRH.BATCH	Number(10,0)	NO	NO
STATUS	SRH.BATCH	Varchar2(1)	NO	NO
BI_MONTH_LANDING_PER_IOD_NUM	SRH.DIM_DAY	Number(2,0)	NO	NO
DATE_NM	SRH.DIM_DAY	Char(10)	NO	NO
DAY_ABBR	SRH.DIM_DAY	Char(3)	NO	NO
DAY_DATE	SRH.DIM_DAY	Date	NO	NO
DAY_NM	SRH.DIM_DAY	Varchar2(10)	NO	NO
DAY_OF_MONTH	SRH.DIM_DAY	Number(2,0)	NO	NO
DAY_OF_WEEK	SRH.DIM_DAY	Number(1,0)	NO	NO
DAY_OF_YEAR	SRH.DIM_DAY	Number(3,0)	NO	NO
DIM_DAY_ID	SRH.DIM_DAY	Number	YES	NO
MON_DAY	SRH.DIM_DAY	Char(6)	NO	NO
MONTH_ABBR	SRH.DIM_DAY	Char(3)	NO	NO
MONTH_NM	SRH.DIM_DAY	Varchar2(10)	NO	NO
MONTH_OF_YEAR	SRH.DIM_DAY	Number(2,0)	NO	NO
QUARTER	SRH.DIM_DAY	Number(1,0)	NO	NO
WEEK_OF_MONTH	SRH.DIM_DAY	Number(2,0)	NO	NO
WEEK_OF_YEAR	SRH.DIM_DAY	Number(2,0)	NO	NO
WEEKDAY_WEEKEND	SRH.DIM_DAY	Varchar2(7)	NO	NO
YEAR	SRH.DIM_DAY	Number(4,0)	NO	NO
ADD_STR1	SRH.ENTT	Varchar2(12 0)	NO	NO
ADD_STR2	SRH.ENTT	Varchar2(12 0)	NO	NO
ADD_STR3	SRH.ENTT	Varchar2(12 0)	NO	NO
CITY	SRH.ENTT	Varchar2(12 0)	NO	NO
EMAIL	SRH.ENTT	Varchar2(12 0)	NO	NO
ENTT_ID	SRH.ENTT	Number	YES	NO
ENTT_TYPE	SRH.ENTT	Char(2)	NO	NO
FIRST_NAME	SRH.ENTT	Varchar2(12 0)	NO	NO
LAST_NAME	SRH.ENTT	Varchar2(12 0)	NO	NO
LU	SRH.ENTT	Date	NO	NO

"ERD", page 70

Attributes

LU_USER_CODE	SRH.ENTT	Varchar2(120)	NO	NO
NAME_CODE	SRH.ENTT	Varchar2(256)	NO	NO
PHONE1	SRH.ENTT	Varchar2(20)	NO	NO
PHONE2	SRH.ENTT	Varchar2(20)	NO	NO
PHONE3	SRH.ENTT	Varchar2(20)	NO	NO
PHONE4	SRH.ENTT	Varchar2(20)	NO	NO
STATE	SRH.ENTT	Varchar2(120)	NO	NO
SUFFIX	SRH.ENTT	Varchar2(20)	NO	NO
ZIP	SRH.ENTT	Varchar2(10)	NO	NO
ANGLER_COUNT	SRH.HB_REPORT	Number(3,0)	NO	NO
ANGLER_FISHED	SRH.HB_REPORT	Number(3,0)	NO	NO
AREA_ID	SRH.HB_REPORT	Number	NO	YES
ARRIVAL_DATE	SRH.HB_REPORT	Date	NO	NO
BATCH_ID	SRH.HB_REPORT	Number(10,0)	NO	YES
CAPTAIN_NAME	SRH.HB_REPORT	Varchar2(120)	NO	NO
DEPARTURE_DATE	SRH.HB_REPORT	Date	NO	NO
DFS	SRH.HB_REPORT	Number(3,0)	NO	NO
HB_REPORT_ID	SRH.HB_REPORT	Number	YES	NO
HB_REPORT_NUM	SRH.HB_REPORT	Number	NO	NO
LAT_LONG	SRH.HB_REPORT	Varchar2(10)	NO	NO
LAT_MIN	SRH.HB_REPORT	Number	NO	NO
LONG_MIN	SRH.HB_REPORT	Varchar2(2)	NO	NO
LU	SRH.HB_REPORT	Date	NO	NO
LU_USER_CODE	SRH.HB_REPORT	Varchar2(120)	NO	NO
MAX_DEPTH	SRH.HB_REPORT	Number	NO	NO
MIN_DEPTH	SRH.HB_REPORT	Number	NO	NO
PAYTYPE	SRH.HB_REPORT	Number(3,0)	NO	NO
PERIOD	SRH.HB_REPORT	Number(3,0)	NO	NO
PRIMARY_DEPTH_FISHED	SRH.HB_REPORT	Number	NO	NO
TRIP_LENGTH	SRH.HB_REPORT	Number(6,2)	NO	NO
TRIP_TYPE_ID	SRH.HB_REPORT	Number(3,0)	NO	YES
VESSEL_ID	SRH.HB_REPORT	Number	NO	YES
CATCH_TRANS_ID	SRH.HB_REPORT_DETAIL	Number	NO	NO
FISH_COUNT	SRH.HB_REPORT_DETAIL	Number	NO	NO

"ERD", page 71

Attributes

FISH_RELEASED	SRH.HB_REPORT_DE TAIL		Number	NO	NO
FISH_WEIGHT	SRH.HB_REPORT_DE TAIL		Number	NO	NO
HB_REPORT_DETAIL_ID	SRH.HB_REPORT_DE TAIL		Number	YES	NO
HB_REPORT_ID	SRH.HB_REPORT_DE TAIL		Number	NO	YES
LU	SRH.HB_REPORT_DE TAIL		Date	NO	NO
LU_USER_CODE	SRH.HB_REPORT_DE TAIL		Varchar2(12 0)	NO	NO
RELEASED_ALIVE	SRH.HB_REPORT_DE TAIL		Number(6,0)	NO	NO
RELEASED_DEAD	SRH.HB_REPORT_DE TAIL		Number(6,0)	NO	NO
SPECIES_ID	SRH.HB_REPORT_DE TAIL		Number	NO	YES
AREA_ID	SRH.LANDING_ESTIM ATES		Number	NO	NO
BATCH_ID	SRH.LANDING_ESTIM ATES		Number(10,0)	NO	YES
EST_MONTH	SRH.LANDING_ESTIM ATES		Number	NO	NO
EST_YEAR	SRH.LANDING_ESTIM ATES		Varchar2(42)	NO	NO
LANDING_ESTIMATES_ID	SRH.LANDING_ESTIM ATES		Integer	YES	NO
LU	SRH.LANDING_ESTIM ATES		Date	NO	NO
LU_USER_CODE	SRH.LANDING_ESTIM ATES		Varchar2(12 0)	NO	NO
RELEASEAL	SRH.LANDING_ESTIM ATES		Number	NO	NO
RELEASEDE	SRH.LANDING_ESTIM ATES		Number	NO	NO
SPECIES_ID	SRH.LANDING_ESTIM ATES		Number	NO	NO
SUMCATCH	SRH.LANDING_ESTIM ATES		Number	NO	NO
TOTCATCH	SRH.LANDING_ESTIM ATES		Number	NO	NO
VESSEL_ID	SRH.LANDING_ESTIM ATES		Number	NO	NO
WEIGHT	SRH.LANDING_ESTIM ATES		Number	NO	NO
AREA	SRH.LOAD_ANG_DAY S		Number	NO	NO
BATCH_ID	SRH.LOAD_ANG_DAY S		Number(10,0)	NO	YES

"ERD", page 72

Attributes

EST_ANGDAYS	SRH.LOAD_ANG_DAYS		Number	NO	NO
LOAD_ANGDAYS_ID	SRH.LOAD_ANG_DAYS		Number	YES	NO
LU	SRH.LOAD_ANG_DAYS		Date	NO	NO
LU_USER_CODE	SRH.LOAD_ANG_DAYS		Varchar2(12 0)	NO	NO
MONTH	SRH.LOAD_ANG_DAYS		Number	NO	NO
YEAR	SRH.LOAD_ANG_DAYS		Number	NO	NO
BATCH_ID	SRH.LOAD_BOARD		Number(10,0)	NO	YES
LOAD_BOARD_ID	SRH.LOAD_BOARD		Number	YES	NO
LOAD_MSG	SRH.LOAD_BOARD		Varchar2(12 0)	NO	NO
LOAD_STATUS	SRH.LOAD_BOARD		Varchar2(1)	NO	NO
LU	SRH.LOAD_BOARD		Date	NO	NO
LU_USER_CODE	SRH.LOAD_BOARD		Varchar2(12 0)	NO	NO
TRIP_SAMPLE_DATA	SRH.LOAD_BOARD		Varchar2(51 2)	NO	NO
AREA	SRH.LOAD_ESTIMATE_S		Number	NO	NO
ASTERISK	SRH.LOAD_ESTIMATE_S		Char(1)	NO	NO
BATCH_ID	SRH.LOAD_ESTIMATE_S		Number(10,0)	NO	YES
LOAD_ESTIMATES_ID	SRH.LOAD_ESTIMATE_S		Number	YES	NO
LOAD_MSG	SRH.LOAD_ESTIMATE_S		Varchar2(12 0)	NO	NO
LOAD_STATUS	SRH.LOAD_ESTIMATE_S		Varchar2(1)	NO	NO
LU	SRH.LOAD_ESTIMATE_S		Date	NO	NO
LU_USER_CODE	SRH.LOAD_ESTIMATE_S		Varchar2(12 0)	NO	NO
PERIOD	SRH.LOAD_ESTIMATE_S		Number	NO	NO
RELEASEAL	SRH.LOAD_ESTIMATE_S		Number	NO	NO
RELEASEDE	SRH.LOAD_ESTIMATE_S		Number	NO	NO
SPECIES	SRH.LOAD_ESTIMATE_S		Number	NO	NO
SUMCATCH	SRH.LOAD_ESTIMATE_S		Number	NO	NO

"ERD", page 73

Attributes

TOTCATCH	SRH.LOAD_ESTIMATE S	Number	NO	NO
VESSEL	SRH.LOAD_ESTIMATE S	Number	NO	NO
WEIGHT	SRH.LOAD_ESTIMATE S	Number	NO	NO
YEAR	SRH.LOAD_ESTIMATE S	Number	NO	NO
BATCH_ID	SRH.LOAD_SCHEDULE	Number(10,0)	NO	YES
CLUSTER_ID	SRH.LOAD_SCHEDULE	Number(6,0)	NO	NO
LOAD_MSG	SRH.LOAD_SCHEDULE	Varchar2(12 0)	NO	NO
LOAD_SCHEDULE_ID	SRH.LOAD_SCHEDULE	Number	NO	NO
LOAD_STATUS	SRH.LOAD_SCHEDULE	Varchar2(1)	NO	NO
LU	SRH.LOAD_SCHEDULE	Date	NO	NO
LU_USER_CODE	SRH.LOAD_SCHEDULE	Varchar2(12 0)	NO	NO
PORT_AGENT_NUM	SRH.LOAD_SCHEDULE	Number(6,0)	NO	NO
PORT_NUM1	SRH.LOAD_SCHEDULE	Number	NO	NO
PORT_NUM2	SRH.LOAD_SCHEDULE	Number	NO	NO
PORT_NUM3	SRH.LOAD_SCHEDULE	Number	NO	NO
TRIP_SCHEDULE_DATE	SRH.LOAD_SCHEDULE	Date	NO	NO
WEEK_NUM	SRH.LOAD_SCHEDULE	Number(2,0)	NO	NO
ZONE	SRH.LOAD_SCHEDULE	Varchar2(10)	NO	NO
ARRIVEDATE_TIME	SRH.LOAD_SE_LOGBOOK	Varchar2(30)	NO	NO
BATCH_ID	SRH.LOAD_SE_LOGBOOK	Number(10,0)	NO	YES
CAPTAINNAME	SRH.LOAD_SE_LOGBOOK	Varchar2(10 0)	NO	NO
CATCHTRANSACTIONID	SRH.LOAD_SE_LOGBOOK	Number	NO	NO
DEPARTDATE_TIME	SRH.LOAD_SE_LOGBOOK	Varchar2(30)	NO	NO
LATLONG	SRH.LOAD_SE_LOGBOOK	Varchar2(30)	NO	NO
LATMINUTES	SRH.LOAD_SE_LOGBOOK	Varchar2(30)	NO	NO

"ERD", page 74

Attributes

LOAD_MSG	SRH.LOAD_SE_LOGBOOK	Varchar2(120)	NO	NO
LOAD_SE_LOGBOOK_ID	SRH.LOAD_SE_LOGBOOK	Number	YES	NO
LOAD_STATUS	SRH.LOAD_SE_LOGBOOK	Varchar2(1)	NO	NO
LONGMINUTES	SRH.LOAD_SE_LOGBOOK	Varchar2(1)	NO	NO
LU	SRH.LOAD_SE_LOGBOOK	Date	NO	NO
LU_USER_CODE	SRH.LOAD_SE_LOGBOOK	Varchar2(120)	NO	NO
MAXDEPTH	SRH.LOAD_SE_LOGBOOK	Number(6,0)	NO	NO
MINDEPTH	SRH.LOAD_SE_LOGBOOK	Number(6,0)	NO	NO
NUMANGLERS	SRH.LOAD_SE_LOGBOOK	Number(3,0)	NO	NO
NUMKEPT	SRH.LOAD_SE_LOGBOOK	Number(6,0)	NO	NO
NUMRELEASED	SRH.LOAD_SE_LOGBOOK	Number(6,0)	NO	NO
PRIMARYDEPTHFISHED	SRH.LOAD_SE_LOGBOOK	Number(6,0)	NO	NO
SPECIESCODE	SRH.LOAD_SE_LOGBOOK	Varchar2(30)	NO	NO
TRIPREPORTNUMBER	SRH.LOAD_SE_LOGBOOK	Number(6,0)	NO	NO
TRIPTIME	SRH.LOAD_SE_LOGBOOK	Number(6,2)	NO	NO
TRIPTYPE	SRH.LOAD_SE_LOGBOOK	Number	NO	NO
UPDATED	SRH.LOAD_SE_LOGBOOK	Varchar2(30)	NO	NO
VESSELAREACODE	SRH.LOAD_SE_LOGBOOK	Varchar2(2)	NO	NO
VESSELCODE	SRH.LOAD_SE_LOGBOOK	Number(6,0)	NO	NO
VESSELNAME	SRH.LOAD_SE_LOGBOOK	Varchar2(100)	NO	NO
VOIDED	SRH.LOAD_SE_LOGBOOK	Varchar2(30)	NO	NO
ADMIN_OR_GROUP	SRH.MAINTENANCE_LIST	Varchar2(32)	NO	NO
CATEGORY	SRH.MAINTENANCE_LIST	Varchar2(32)	NO	NO
LU	SRH.MAINTENANCE_LIST	Date	NO	NO
LU_USER	SRH.MAINTENANCE_LIST	Varchar2(256)	NO	NO

"ERD", page 75

Attributes

MAINTENANCE_LIST_DESC	SRH.MAINTENANCE_LIST	Varchar2(512)	NO	NO
MAINTENANCE_LIST_ID	SRH.MAINTENANCE_LIST	Number	YES	NO
MAINTENANCE_LIST_NM	SRH.MAINTENANCE_LIST	Varchar2(60)	NO	NO
PAGE_NUM	SRH.MAINTENANCE_LIST	Number	NO	NO
PORT_AGENT_ID	SRH.PA_LINK	Number	NO	NO
TRIP_HIST_DETAIL_ID	SRH.PA_LINK	Number	NO	NO
ADD_STR1	SRH.PORT	Varchar2(120)	NO	NO
ADD_STR2	SRH.PORT	Varchar2(120)	NO	NO
ADD_STR3	SRH.PORT	Varchar2(120)	NO	NO
AREA_ID	SRH.PORT	Number	NO	YES
CITY	SRH.PORT	Varchar2(120)	NO	NO
IS_ACTIVE	SRH.PORT	Number(1,0)	NO	NO
LU	SRH.PORT	Date	NO	NO
LU_USER_CODE	SRH.PORT	Varchar2(120)	NO	NO
PHONE1	SRH.PORT	Varchar2(20)	NO	NO
PHONE2	SRH.PORT	Varchar2(120)	NO	NO
PORT_ID	SRH.PORT	Number	YES	NO
PORT_NAME	SRH.PORT	Varchar2(120)	NO	NO
PORT_NUM	SRH.PORT	Number(10,0)	NO	NO
STATE	SRH.PORT	Varchar2(120)	NO	NO
ZIP	SRH.PORT	Varchar2(120)	NO	NO
AFFILIATION_AGENCY	SRH.PORT_AGENT	Varchar2(20)	NO	NO
APP_USER_CODE	SRH.PORT_AGENT	Varchar2(120)	NO	NO
IS_ACTIVE	SRH.PORT_AGENT	Number(1,0)	NO	NO
LU	SRH.PORT_AGENT	Date	NO	NO
LU_USER_CODE	SRH.PORT_AGENT	Varchar2(120)	NO	NO
PORT_AGENT_ID	SRH.PORT_AGENT	Number	YES	NO
PORT_AGENT_NAME	SRH.PORT_AGENT	Varchar2(120)	NO	NO
PORT_AGENT_NUM	SRH.PORT_AGENT	Number	NO	NO
AREA_ID	SRH.PORT_AGENT_AREA	Number	NO	YES

"ERD", page 76

Attributes

LU	SRH.PORT_AGENT_AREA		Date	NO	NO
LU_USER_CODE	SRH.PORT_AGENT_AREA		Varchar2(120)	NO	NO
PORT_AGENT_AREA_ID	SRH.PORT_AGENT_AREA		Number	NO	NO
PORT_AGENT_ID	SRH.PORT_AGENT_AREA		Number	NO	YES
IS_COMMENT_NEEDED	SRH.REASON_NO_HAR		Number(1,0)	NO	NO
LU	SRH.REASON_NO_HAR		Date	NO	NO
LU_USER_CODE	SRH.REASON_NO_HAR		Varchar2(120)	NO	NO
REASON_NAME	SRH.REASON_NO_HAR		Varchar2(120)	NO	NO
REASON_NO_HAR_ID	SRH.REASON_NO_HAR		Number	YES	NO
IS_COMMENT_NEEDED	SRH.REASON_NO_SAMPLE		Number(1,0)	NO	NO
LU	SRH.REASON_NO_SAMPLE		Date	NO	NO
LU_USER_CODE	SRH.REASON_NO_SAMPLE		Varchar2(120)	NO	NO
REASON_NAME	SRH.REASON_NO_SAMPLE		Varchar2(120)	NO	NO
REASON_NO_SAMPLE_ID	SRH.REASON_NO_SAMPLE		Number	YES	NO
ADMIN_OR_GROUP	SRH.REPORTS		Varchar2(32)	NO	NO
CATEGORY	SRH.REPORTS		Varchar2(32)	NO	NO
LU	SRH.REPORTS		Date	NO	NO
LU_USER	SRH.REPORTS		Varchar2(256)	NO	NO
PAGE_NUM	SRH.REPORTS		Number	NO	NO
REPORT_DESC	SRH.REPORTS		Varchar2(512)	NO	NO
REPORT_NM	SRH.REPORTS		Varchar2(60)	NO	NO
REPORTS_ID	SRH.REPORTS		Number	YES	NO
A_FIELD	SRH.SAMPLE_ACTIVIT Y		Varchar2(30)	NO	NO
ANGLER_CNT	SRH.SAMPLE_ACTIVIT Y		Number(3,0)	NO	NO
ASSG_PORT_ORDER	SRH.SAMPLE_ACTIVIT Y		Number(2,0)	NO	NO
EXP_ARRIVAL_TIME	SRH.SAMPLE_ACTIVIT Y		Varchar2(5)	NO	NO

"ERD", page 77

Attributes

LU	SRH.SAMPLE_ACTIVITY	Date	NO	NO
LU_USER_CODE	SRH.SAMPLE_ACTIVITY	Varchar2(120)	NO	NO
PORT_AGENT_ID	SRH.SAMPLE_ACTIVITY	Number	NO	YES
REASON_NO_SAMPLE_COMMENT	SRH.SAMPLE_ACTIVITY	Varchar2(120)	NO	NO
REASON_NO_SAMPLE_ID	SRH.SAMPLE_ACTIVITY	Number	NO	YES
SAMPLE_ACTIVITY_DATE	SRH.SAMPLE_ACTIVITY	Date	NO	NO
SAMPLE_ACTIVITY_ID	SRH.SAMPLE_ACTIVITY	Number	YES	NO
TRIP_SAMPLE_ID	SRH.SAMPLE_ACTIVITY	Number	NO	YES
TRIP_TYPE_ID	SRH.SAMPLE_ACTIVITY	Number(3,0)	NO	YES
VESSEL_ID	SRH.SAMPLE_ACTIVITY	Number	NO	YES
VESSEL_TRIP_NUM	SRH.SAMPLE_ACTIVITY	Number(1,0)	NO	NO
VESSEL_TRIP_ORDER	SRH.SAMPLE_ACTIVITY	Number(2,0)	NO	NO
LU	SRH.SPECIES	Date	NO	NO
LU_USER_CODE	SRH.SPECIES	Varchar2(120)	NO	NO
SPECIES_CODE_STR	SRH.SPECIES	Varchar2(10)	NO	NO
SPECIES_GRP_CODE	SRH.SPECIES	Varchar2(10)	NO	NO
SPECIES_ID	SRH.SPECIES	Number	YES	NO
SPECIES_ITIS	SRH.SPECIES	Varchar2(60)	NO	NO
SPECIES_NAME	SRH.SPECIES	Varchar2(120)	NO	NO
SPECIES_NUM	SRH.SPECIES	Number(6,0)	NO	NO
AGENT_NAME	SRH.TEMP_COLL_HIS	Varchar2(120)	NO	NO
DATE_COLL	SRH.TEMP_COLL_HIS	Varchar2(10)	NO	NO
END_COLL	SRH.TEMP_COLL_HIS	Number(8,0)	NO	NO
ISSUED_BY	SRH.TEMP_COLL_HIS	Varchar2(5)	NO	NO
REGION	SRH.TEMP_COLL_HIS	Varchar2(6)	NO	NO
START_COLL	SRH.TEMP_COLL_HIS	Number(8,0)	NO	NO
A_FIELD	SRH.TRIP_ACTIVITY	Varchar2(30)	NO	NO
ANGLER_CNT	SRH.TRIP_ACTIVITY	Number(3,0)	NO	NO
ASSG_PORT_ORDER	SRH.TRIP_ACTIVITY	Number(2,0)	NO	NO
EXP_ARRIVAL_TIME	SRH.TRIP_ACTIVITY	Varchar2(5)	NO	NO

"ERD", page 78

Attributes

LU	SRH.TRIP_ACTIVITY	Date	NO	NO
LU_USER_CODE	SRH.TRIP_ACTIVITY	Varchar2(120)	NO	NO
PORT_AGENT_ID	SRH.TRIP_ACTIVITY	Number	NO	YES
REASON_NO_HAR_COMM ENT	SRH.TRIP_ACTIVITY	Varchar2(120)	NO	NO
REASON_NO_HAR_ID	SRH.TRIP_ACTIVITY	Number	NO	YES
REASON_NO_SAMPLE_C OMMENT	SRH.TRIP_ACTIVITY	Varchar2(120)	NO	NO
REASON_NO_SAMPLE_ID	SRH.TRIP_ACTIVITY	Number	NO	NO
TRIP_ACTIVITY_DATE	SRH.TRIP_ACTIVITY	Date	NO	NO
TRIP_ACTIVITY_ID	SRH.TRIP_ACTIVITY	Number	YES	NO
TRIP_SAMPLE_ID	SRH.TRIP_ACTIVITY	Number	NO	NO
TRIP_TYPE_ID	SRH.TRIP_ACTIVITY	Number(3,0)	NO	YES
VESSEL_ID	SRH.TRIP_ACTIVITY	Number	NO	YES
VESSEL_TRIP_NUM	SRH.TRIP_ACTIVITY	Number(1,0)	NO	NO
VESSEL_TRIP_ORDER	SRH.TRIP_ACTIVITY	Number(2,0)	NO	NO
ANGLER_CNT	SRH.TRIP_ASSIGNME NT_SUM	Number(3,0)	NO	NO
ASSG_PORT_ORDER	SRH.TRIP_ASSIGNME NT_SUM	Number(2,0)	NO	NO
EXP_ARRIVAL_TIME	SRH.TRIP_ASSIGNME NT_SUM	Date	NO	NO
LU	SRH.TRIP_ASSIGNME NT_SUM	Date	NO	NO
LU_USER_CODE	SRH.TRIP_ASSIGNME NT_SUM	Varchar2(120)	NO	NO
TRIP_ASSIGNMENT_SUM_ ID	SRH.TRIP_ASSIGNME NT_SUM	Number	YES	NO
TRIP_DATE	SRH.TRIP_ASSIGNME NT_SUM	Date	NO	NO
TRIP_SAMPLE_ID	SRH.TRIP_ASSIGNME NT_SUM	Number	NO	YES
TRIP_SCHEDULE_ID	SRH.TRIP_ASSIGNME NT_SUM	Number	NO	YES
TRIP_TYPE_ID	SRH.TRIP_ASSIGNME NT_SUM	Number(3,0)	NO	YES
VESSEL_ID	SRH.TRIP_ASSIGNME NT_SUM	Number	NO	YES
VESSEL_TRIP_NUM	SRH.TRIP_ASSIGNME NT_SUM	Number(1,0)	NO	NO
VESSEL_TRIP_ORDER	SRH.TRIP_ASSIGNME NT_SUM	Number(2,0)	NO	NO
FORK_LENGTH	SRH.TRIP_HIST_DETA IL	Number(10,0)	NO	NO
GONAD_SAMPLE	SRH.TRIP_HIST_DETA IL	Number(1,0)	NO	NO
OTOLITHS_SAMPLE	SRH.TRIP_HIST_DETA IL	Number(1,0)	NO	NO

"ERD", page 79

Attributes

POR_T_AGENT_ID	SRH.TRIP_HIST_DETA IL	Number	NO	NO
SCALES_SAMPLE	SRH.TRIP_HIST_DETA IL	Number(1,0)	NO	NO
SEX_CODE	SRH.TRIP_HIST_DETA IL	Varchar2(1)	NO	NO
SPECIES_CODE	SRH.TRIP_HIST_DETA IL	Varchar2(10)	NO	NO
SPINES_SAMPLE	SRH.TRIP_HIST_DETA IL	Number(1,0)	NO	NO
STOMACH_SAMPLE	SRH.TRIP_HIST_DETA IL	Number(1,0)	NO	NO
TOTAL_LENGTH	SRH.TRIP_HIST_DETA IL	Number(10,0)	NO	NO
TRIP_AREA_CD	SRH.TRIP_HIST_DETA IL	Varchar2(5)	NO	NO
TRIP_COLLECTION_NUM	SRH.TRIP_HIST_DETA IL	Varchar2(10)	NO	NO
TRIP_DATE	SRH.TRIP_HIST_DETA IL	Date	NO	NO
TRIP_DAY	SRH.TRIP_HIST_DETA IL	Number	NO	NO
TRIP_HIST_DETAIL_ID	SRH.TRIP_HIST_DETA IL	Number	NO	NO
TRIP_MONTH	SRH.TRIP_HIST_DETA IL	Number	NO	NO
TRIP_SAMPLE_SEQ	SRH.TRIP_HIST_DETA IL	Number	NO	NO
TRIP_VESSEL_ID	SRH.TRIP_HIST_DETA IL	Number	NO	NO
TRIP_VESSEL_TYPE	SRH.TRIP_HIST_DETA IL	Number	NO	NO
TRIP_YEAR	SRH.TRIP_HIST_DETA IL	Number	NO	NO
WEIGHT	SRH.TRIP_HIST_DETA IL	Number(10,2)	NO	NO
FORK_LENGTH	SRH.TRIP_HISTORICA L	Number(10,0)	NO	NO
GONAD_SAMPLE	SRH.TRIP_HISTORICA L	Number(1,0)	NO	NO
OTOLITHS_SAMPLE	SRH.TRIP_HISTORICA L	Number(1,0)	NO	NO
SCALES_SAMPLE	SRH.TRIP_HISTORICA L	Number(1,0)	NO	NO
SEX_CODE	SRH.TRIP_HISTORICA L	Varchar2(1)	NO	NO
SPECIES_CODE	SRH.TRIP_HISTORICA L	Varchar2(10)	NO	NO
SPINES_SAMPLE	SRH.TRIP_HISTORICA L	Number(1,0)	NO	NO

"ERD", page 80

Attributes

STOMACH_SAMPLE	SRH.TRIP_HISTORICAL	Number(1,0)	NO	NO
TOTAL_LENGTH	SRH.TRIP_HISTORICAL	Number(10,0)	NO	NO
TRIP_AREA_CD	SRH.TRIP_HISTORICAL	Varchar2(5)	NO	NO
TRIP_COLLECTION_NUM	SRH.TRIP_HISTORICAL	Varchar2(10)	NO	NO
TRIP_DATE	SRH.TRIP_HISTORICAL	Date	NO	NO
TRIP_DAY	SRH.TRIP_HISTORICAL	Number	NO	NO
TRIP_MONTH	SRH.TRIP_HISTORICAL	Number	NO	NO
TRIP_SAMPLE_SEQ	SRH.TRIP_HISTORICAL	Number	NO	NO
TRIP_VESSEL_ID	SRH.TRIP_HISTORICAL	Number	NO	NO
TRIP_VESSEL_TYPE	SRH.TRIP_HISTORICAL	Number	NO	NO
TRIP_YEAR	SRH.TRIP_HISTORICAL	Number	NO	NO
WEIGHT	SRH.TRIP_HISTORICAL	Number(10,2)	NO	NO
AREA_ID	SRH.TRIP_SAMPLE	Number	NO	YES
BATCH_ID	SRH.TRIP_SAMPLE	Number(10,0)	NO	YES
LU	SRH.TRIP_SAMPLE	Date	NO	NO
LU_USER_CODE	SRH.TRIP_SAMPLE	Varchar2(12 0)	NO	NO
PORT_AGENT_ID	SRH.TRIP_SAMPLE	Number	NO	YES
TRIP_COLLECTION_NUM	SRH.TRIP_SAMPLE	Number(10,0)	NO	NO
TRIP_DATE	SRH.TRIP_SAMPLE	Date	NO	NO
TRIP_SAMPLE_ID	SRH.TRIP_SAMPLE	Number	YES	NO
VESSEL_ID	SRH.TRIP_SAMPLE	Number	NO	YES
VESSEL_TYPE_ID	SRH.TRIP_SAMPLE	Char(20)	NO	YES
FORK_LENGTH	SRH.TRIP_SAMPLE_DETAIL	Number(10,0)	NO	NO
GONAD_SAMPLE	SRH.TRIP_SAMPLE_DETAIL	Number(1,0)	NO	NO
LU	SRH.TRIP_SAMPLE_DETAIL	Date	NO	NO
LU_USER_CODE	SRH.TRIP_SAMPLE_DETAIL	Varchar2(12 0)	NO	NO
OTOLITHS_SAMPLE	SRH.TRIP_SAMPLE_DETAIL	Number(1,0)	NO	NO
SCALES_SAMPLE	SRH.TRIP_SAMPLE_DETAIL	Number(1,0)	NO	NO

"ERD", page 81

Attributes

SEX_CODE	SRH.TRIP_SAMPLE_DETAIL	Varchar2(1)	NO	NO
SPECIES_ID	SRH.TRIP_SAMPLE_DETAIL	Number	NO	YES
SPINES_SAMPLE	SRH.TRIP_SAMPLE_DETAIL	Number(1,0)	NO	NO
STOMACH_SAMPLE	SRH.TRIP_SAMPLE_DETAIL	Number(1,0)	NO	NO
TOTAL_LENGTH	SRH.TRIP_SAMPLE_DETAIL	Number(10,0)	NO	NO
TRIP_SAMPLE_DETAIL_ID	SRH.TRIP_SAMPLE_DETAIL	Number	YES	NO
TRIP_SAMPLE_ID	SRH.TRIP_SAMPLE_DETAIL	Number	NO	YES
TRIP_SAMPLE_SEQ	SRH.TRIP_SAMPLE_DETAIL	Number(3,0)	NO	NO
WEIGHT	SRH.TRIP_SAMPLE_DETAIL	Number(10,2)	NO	NO
AGENT_NAME	SRH.TRIP_SAMPLE_PA	Varchar2(12 0)	NO	NO
DATE_COLL	SRH.TRIP_SAMPLE_PA	Varchar2(10)	NO	NO
PORT_AGENT_ID	SRH.TRIP_SAMPLE_PA	Number	NO	NO
REGION	SRH.TRIP_SAMPLE_PA	Varchar2(6)	NO	NO
TRIP_DATE	SRH.TRIP_SAMPLE_PA	Date	NO	NO
TRIP_SAMPLE_ID	SRH.TRIP_SAMPLE_PA	Number	NO	NO
BATCH_ID	SRH.TRIP_SCHEDULE	Number(10,0)	NO	YES
CLUSTER_ID	SRH.TRIP_SCHEDULE	Number	NO	NO
LU	SRH.TRIP_SCHEDULE	Date	NO	NO
LU_USER_CODE	SRH.TRIP_SCHEDULE	Varchar2(12 0)	NO	NO
PORT_AGENT_ID	SRH.TRIP_SCHEDULE	Number	NO	YES
PORT_ID	SRH.TRIP_SCHEDULE	Number	NO	YES
TRIP_SCHEDULE_DATE	SRH.TRIP_SCHEDULE	Date	NO	NO
TRIP_SCHEDULE_ID	SRH.TRIP_SCHEDULE	Number	YES	NO
ANGLER_HRS_CONVERSATION	SRH.TRIP_TYPE	Number(4,1)	NO	NO
ANGLER_HRS_MAX	SRH.TRIP_TYPE	Number(3,0)	NO	NO
ANGLER_HRS_MIN	SRH.TRIP_TYPE	Number(3,0)	NO	NO
IS_RARE_EVENT	SRH.TRIP_TYPE	Varchar2(1)	NO	NO
LU	SRH.TRIP_TYPE	Date	NO	NO
LU_USER_CODE	SRH.TRIP_TYPE	Varchar2(12 0)	NO	NO
TRIP_TYPE_DESC	SRH.TRIP_TYPE	Varchar2(24 0)	NO	NO

"ERD", page 82

Attributes

TRIP_TYPE_ID	SRH.TRIP_TYPE		Number(3,0)	YES	NO
TRIP_TYPE_NAME	SRH.TRIP_TYPE		Varchar2(60)	NO	NO
TRIP_TYPE_NUM	SRH.TRIP_TYPE		Number(6,0)	NO	NO
AREA_ID	SRH.VESSEL		Number	NO	YES
COMMENTS	SRH.VESSEL		Varchar2(51 2)	NO	NO
INACTIVE_END_DATE	SRH.VESSEL		Date	NO	NO
INACTIVE_REASON	SRH.VESSEL		Varchar2(12 0)	NO	NO
INACTIVE_START_DATE	SRH.VESSEL		Date	NO	NO
IS_COOP	SRH.VESSEL		Number(1,0)	NO	NO
IS_IN_SURVEY	SRH.VESSEL		Number(1,0)	NO	NO
LU	SRH.VESSEL		Date	NO	NO
LU_USER_CODE	SRH.VESSEL		Varchar2(12 0)	NO	NO
PERMIT_HOLD	SRH.VESSEL		Number(1,0)	NO	NO
PORT_ID	SRH.VESSEL		Number	NO	YES
REGION	SRH.VESSEL		Varchar2(10)	NO	NO
STATE_REG_NUM	SRH.VESSEL		Varchar2(30)	NO	NO
USCG_NUM	SRH.VESSEL		Varchar2(30)	NO	NO
VESSEL_ID	SRH.VESSEL		Number	YES	NO
VESSEL_NAME	SRH.VESSEL		Varchar2(62)	NO	NO
VESSEL_NUM	SRH.VESSEL		Number(5,0)	NO	NO
VESSEL_TYPE_ID	SRH.VESSEL		Number	NO	YES
WEB_URL	SRH.VESSEL		Varchar2(51 2)	NO	NO
IND_ADD_CITY	SRH.VESSEL_ENTITIE S		Varchar2(12 0)	NO	NO
IND_ADD_ST	SRH.VESSEL_ENTITIE S		Varchar2(2)	NO	NO
IND_ADD_ST1	SRH.VESSEL_ENTITIE S		Varchar2(12 0)	NO	NO
IND_ADD_ST2	SRH.VESSEL_ENTITIE S		Varchar2(12 0)	NO	NO
IND_ADD_ST3	SRH.VESSEL_ENTITIE S		Varchar2(12 0)	NO	NO
IND_ADD_ZIP	SRH.VESSEL_ENTITIE S		Varchar2(10)	NO	NO
IND_EMAIL	SRH.VESSEL_ENTITIE S		Varchar2(12 0)	NO	NO
IND_FIRST_NAME	SRH.VESSEL_ENTITIE S		Varchar2(12 0)	NO	NO
IND_LAST_NAME	SRH.VESSEL_ENTITIE S		Varchar2(12 0)	NO	NO

"ERD", page 83

Attributes

IND_PHONE1	SRH.VESSEL_ENTITIES	Varchar2(20)	NO	NO
IND_PHONE2	SRH.VESSEL_ENTITIES	Varchar2(20)	NO	NO
IND_PHONE3	SRH.VESSEL_ENTITIES	Varchar2(20)	NO	NO
IND_PHONE4	SRH.VESSEL_ENTITIES	Varchar2(20)	NO	NO
IND_SUFFIX	SRH.VESSEL_ENTITIES	Varchar2(12 0)	NO	NO
VESSEL_ID	SRH.VESSEL_ENTITIES	Number	NO	NO
VESSEL_RLTN_IND	SRH.VESSEL_ENTITIES	Varchar2(20)	NO	NO
ENTT_ID	SRH.VESSEL_ENTT_R LTN	Number	NO	YES
IS_CONTACT	SRH.VESSEL_ENTT_R LTN	Varchar2(1)	NO	NO
LU	SRH.VESSEL_ENTT_R LTN	Date	NO	NO
LU_USER_CODE	SRH.VESSEL_ENTT_R LTN	Varchar2(12 0)	NO	NO
PERMIT_NUM	SRH.VESSEL_ENTT_R LTN	Varchar2(60)	NO	NO
PERMIT_TYPE	SRH.VESSEL_ENTT_R LTN	Varchar2(1)	NO	NO
RLTN_CODE	SRH.VESSEL_ENTT_R LTN	Varchar2(20)	NO	NO
RLTN_EXP_DT	SRH.VESSEL_ENTT_R LTN	Date	NO	NO
RLTN_EXP_REASON	SRH.VESSEL_ENTT_R LTN	Varchar2(12 0)	NO	NO
VESSEL_ENTT_RLTN_ID	SRH.VESSEL_ENTT_R LTN	Char(20)	YES	NO
VESSEL_ID	SRH.VESSEL_ENTT_R LTN	Number	NO	YES
LU	SRH.ZONE	Date	NO	NO
LU_USER_CODE	SRH.ZONE	Varchar2(12 0)	NO	NO
ZONE_CODE	SRH.ZONE	Varchar2(10)	NO	NO
ZONE_ID	SRH.ZONE	Number	YES	NO
ZONE_NAME	SRH.ZONE	Varchar2(12 0)	NO	NO
LU	VESSEL_TYPE	Date	NO	NO
LU	VESSEL_TYPE	Date	NO	NO
LU_USER_CODE	VESSEL_TYPE	Varchar2(12 0)	NO	NO
LU_USER_CODE	VESSEL_TYPE	Varchar2(12 0)	NO	NO

"ERD", page 84

Attributes

VESSEL_TYPE_ID	VESSEL_TYPE	Char(20)	YES	NO
VESSEL_TYPE_ID	VESSEL_TYPE	Number	YES	NO
VESSEL_TYPE_NAME	VESSEL_TYPE	Varchar2(60)	NO	NO
VESSEL_TYPE_NAME	VESSEL_TYPE	Varchar2(60)	NO	NO
VESSEL_TYPE_NUM	VESSEL_TYPE	Number(6,0)	NO	NO

"ERD", page 85

Attributes

Attribute 'END_DATE'

Caption	END_DATE
Entity Name	INACTIVE_LOG
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO

Comments

Date inactivity ends

Attribute 'INACTIVE_LOG_ID'

Caption	INACTIVE_LOG_ID
Entity Name	INACTIVE_LOG
Primary Key	YES
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	NO

Comments

Pk for this table

Attribute 'LU'

Caption	LU
Entity Name	INACTIVE_LOG
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO

Comments

Last Update

Attribute 'LU_USRE_CODE'

Caption	LU_USRE_CODE
Entity Name	INACTIVE_LOG
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	NO

"ERD", page 86

Attributes

Comments

Last update user

Attribute 'START_DATE'

Caption	START_DATE
Entity Name	INACTIVE_LOG
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO

Comments

Date inactivity starts

Attribute 'VESSEL_ID'

Caption	VESSEL_ID	
Entity Name	INACTIVE_LOG	
Primary Key	NO	
Foreign Key	YES	Parent Entity
Data Type	Number	
Not Null	YES	
Unique	NO	

Attribute 'LU'

Caption	LU
Entity Name	PORT_AGENT_PORT
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO
Default	SYSDATE

Attribute Properties

Constraint NotNull Name	SYS_C0066548
----------------------------	--------------

"ERD", page 87

Attributes

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	PORT_AGENT_PORT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0066547
----------------------------	--------------

Attribute 'PORT_AGENT_ID'

Caption	PORT_AGENT_ID
Entity Name	PORT_AGENT_PORT
Primary Key	NO
Foreign Key	YES
Data Type	Number
Not Null	YES
Unique	NO

Attribute 'PORT_AGENT_PORT_ID'

Caption	PORT_AGENT_PORT_ID
Entity Name	PORT_AGENT_PORT
Primary Key	YES
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	NO

Attribute 'PORT_ID'

Caption	PORT_ID
Entity Name	PORT_AGENT_PORT
Primary Key	NO
Foreign Key	YES
Data Type	Number
Not Null	YES
Unique	NO

"ERD", page 88

Attributes

Attribute 'ANG_DAYS_ESTIMATES_ID'

Caption	ANG_DAYS_ESTIMATES_ID
Entity Name	SRH.ANG_DAYS_ESTIMATES
Primary Key	YES
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	NO

Attribute 'AREA_ID'

Caption	AREA_ID
Entity Name	SRH.ANG_DAYS_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'BATCH_ID'

Caption	BATCH_ID	
Entity Name	SRH.ANG_DAYS_ESTIMATES	
Primary Key	NO	
Foreign Key	YES	Parent Entity
Data Type	Number(10,0)	
Not Null	YES	
Unique	NO	

Attribute 'EST_ANGDAY'S'

Caption	EST_ANGDAY'S
Entity Name	SRH.ANG_DAYS_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'EST_MONTH'

Caption	EST_MONTH
Entity Name	SRH.ANG_DAYS_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

"ERD", page 89

Attributes

Attribute 'EST_YEAR'

Caption	EST_YEAR
Entity Name	SRH.ANG_DAYS_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(42)
Not Null	NO
Unique	NO

Attribute 'LU'

Caption	LU
Entity Name	SRH.ANG_DAYS_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.ANG_DAYS_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	NO

Attribute 'AREA_ID'

Caption	AREA_ID
Entity Name	SRH.AREA
Primary Key	YES
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064657
----------------------------	--------------

Comments

PK sequence. Represents an area where a vessel fishes

"ERD", page 90

Attributes

Attribute 'AREA_NAME'

Caption	AREA_NAME
Entity Name	SRH.AREA
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(60)
Not Null	YES
Unique	YES

Attribute Properties

Constraint NotNull Name	SYS_C0064658
----------------------------	--------------

Comments

Name of an area

Attribute 'AREA_NUM'

Caption	AREA_NUM
Entity Name	SRH.AREA
Primary Key	NO
Foreign Key	NO
Data Type	Number(6,0)
Not Null	YES
Unique	YES

Comments

Area number known to users.

Attribute 'DESCRIPTION'

Caption	DESCRIPTION
Entity Name	SRH.AREA
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Comments

Area description

"ERD", page 91

Attributes

Attribute 'IS_ACTIVE'

Caption	IS_ACTIVE
Entity Name	SRH.AREA
Primary Key	NO
Foreign Key	NO
Data Type	Number(1,0)
Not Null	YES
Unique	NO
Default	1

Attribute Properties

Constraint NotNull Name	SYS_C0067217
----------------------------	--------------

Comments

Is the area actively used?

Attribute 'IS_LANDING_AREA'

Caption	IS_LANDING_AREA
Entity Name	SRH.AREA
Primary Key	NO
Foreign Key	NO
Data Type	Number(1,0)
Not Null	NO
Unique	NO

Comments

Is the area in shore, a landing area, or off shore, a fishing area.

Attribute 'LU'

Caption	LU
Entity Name	SRH.AREA
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064660
----------------------------	--------------

"ERD", page 92

Attributes

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.AREA
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064659
----------------------------	--------------

Attribute 'ZONE_ID'

Caption	ZONE_ID	
Entity Name	SRH.AREA	
Primary Key	NO	
Foreign Key	YES	Parent Entity
Data Type	Number	
Not Null	NO	
Unique	NO	

Attribute 'BATCH_ID'

Caption	BATCH_ID
Entity Name	SRH.BATCH
Primary Key	YES
Foreign Key	NO
Data Type	Number(10,0)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064599
----------------------------	--------------

Comments

PK Internal sequence

"ERD", page 93

Attributes

Attribute 'FILE_TYPE'

Caption	FILE_TYPE
Entity Name	SRH.BATCH
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(1)
Not Null	NO
Unique	NO

Comments

B-Board, S-Schedule, L-Logbook, I-Internal Use (Historical Data)

Attribute 'INTERNAL_FILE_NM'

Caption	INTERNAL_FILE_NM
Entity Name	SRH.BATCH
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(512)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0061409
----------------------------	--------------

Comments

Port Agent's filename

Attribute 'INVALID_CNT'

Caption	INVALID_CNT
Entity Name	SRH.BATCH
Primary Key	NO
Foreign Key	NO
Data Type	Number(10,0)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0061411
----------------------------	--------------

Comments

Records with invalid values

"ERD", page 94

Attributes

Attribute 'LU'

Caption	LU
Entity Name	SRH.BATCH
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO
Default	SYSDATE

Attribute Properties

Constraint NotNull Name	SYS_C0061413
----------------------------	--------------

Comments

Batch date

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.BATCH
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0061412
----------------------------	--------------

Comments

Port Agent's user account

Attribute 'MSG'

Caption	MSG
Entity Name	SRH.BATCH
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(512)
Not Null	NO
Unique	NO

Comments

Batch processing message

"ERD", page 95

Attributes

Attribute 'RECORD_CNT'

Caption	RECORD_CNT
Entity Name	SRH.BATCH
Primary Key	NO
Foreign Key	NO
Data Type	Number(10,0)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0061410
----------------------------	--------------

Comments

Record count

Attribute 'STATUS'

Caption	STATUS
Entity Name	SRH.BATCH
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(1)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0072920
----------------------------	--------------

Comments

(P)ass, (F)ail, (I)n process

Attribute 'BI_MONTH_LANDING_PERIOD_NUM'

Caption	BI_MONTH_LANDING_PERIOD_NUM
Entity Name	SRH.DIM_DAY
Primary Key	NO
Foreign Key	NO
Data Type	Number(2,0)
Not Null	NO
Unique	NO

"ERD", page 96

Attributes

Attribute 'DATE_NM'

Caption	DATE_NM
Entity Name	SRH.DIM_DAY
Primary Key	NO
Foreign Key	NO
Data Type	Char(10)
Not Null	NO
Unique	NO

Attribute 'DAY_ABBR'

Caption	DAY_ABBR
Entity Name	SRH.DIM_DAY
Primary Key	NO
Foreign Key	NO
Data Type	Char(3)
Not Null	NO
Unique	NO

Attribute 'DAY_DATE'

Caption	DAY_DATE
Entity Name	SRH.DIM_DAY
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	NO
Unique	NO

Attribute 'DAY_NM'

Caption	DAY_NM
Entity Name	SRH.DIM_DAY
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(10)
Not Null	NO
Unique	NO

Attribute 'DAY_OF_MONTH'

Caption	DAY_OF_MONTH
Entity Name	SRH.DIM_DAY
Primary Key	NO
Foreign Key	NO
Data Type	Number(2,0)
Not Null	NO
Unique	NO

"ERD", page 97

Attributes

Attribute 'DAY_OF_WEEK'

Caption	DAY_OF_WEEK
Entity Name	SRH.DIM_DAY
Primary Key	NO
Foreign Key	NO
Data Type	Number(1,0)
Not Null	NO
Unique	NO

Attribute 'DAY_OF_YEAR'

Caption	DAY_OF_YEAR
Entity Name	SRH.DIM_DAY
Primary Key	NO
Foreign Key	NO
Data Type	Number(3,0)
Not Null	NO
Unique	NO

Attribute 'DIM_DAY_ID'

Caption	DIM_DAY_ID
Entity Name	SRH.DIM_DAY
Primary Key	YES
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'MON_DAY'

Caption	MON_DAY
Entity Name	SRH.DIM_DAY
Primary Key	NO
Foreign Key	NO
Data Type	Char(6)
Not Null	NO
Unique	NO

Attribute 'MONTH_ABBR'

Caption	MONTH_ABBR
Entity Name	SRH.DIM_DAY
Primary Key	NO
Foreign Key	NO
Data Type	Char(3)
Not Null	NO
Unique	NO

"ERD", page 98

Attributes

Attribute 'MONTH_NM'

Caption	MONTH_NM
Entity Name	SRH.DIM_DAY
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(10)
Not Null	NO
Unique	NO

Attribute 'MONTH_OF_YEAR'

Caption	MONTH_OF_YEAR
Entity Name	SRH.DIM_DAY
Primary Key	NO
Foreign Key	NO
Data Type	Number(2,0)
Not Null	NO
Unique	NO

Attribute 'QUARTER'

Caption	QUARTER
Entity Name	SRH.DIM_DAY
Primary Key	NO
Foreign Key	NO
Data Type	Number(1,0)
Not Null	NO
Unique	NO

Attribute 'WEEK_OF_MONTH'

Caption	WEEK_OF_MONTH
Entity Name	SRH.DIM_DAY
Primary Key	NO
Foreign Key	NO
Data Type	Number(2,0)
Not Null	NO
Unique	NO

Attribute 'WEEK_OF_YEAR'

Caption	WEEK_OF_YEAR
Entity Name	SRH.DIM_DAY
Primary Key	NO
Foreign Key	NO
Data Type	Number(2,0)
Not Null	NO
Unique	NO

"ERD", page 99

Attributes

Attribute 'WEEKDAY_WEEKEND'

Caption	WEEKDAY_WEEKEND
Entity Name	SRH.DIM_DAY
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(7)
Not Null	NO
Unique	NO

Attribute 'YEAR'

Caption	YEAR
Entity Name	SRH.DIM_DAY
Primary Key	NO
Foreign Key	NO
Data Type	Number(4,0)
Not Null	NO
Unique	NO

Attribute 'ADD_STR1'

Caption	ADD_STR1
Entity Name	SRH.ENTT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Comments

Name / Address

Attribute 'ADD_STR2'

Caption	ADD_STR2
Entity Name	SRH.ENTT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Comments

Name / Address

"ERD", page 100

Attributes

Attribute 'ADD_STR3'

Caption	ADD_STR3
Entity Name	SRH.ENTT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Comments

Name/Address

Attribute 'CITY'

Caption	CITY
Entity Name	SRH.ENTT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Comments

Name/Address

Attribute 'EMAIL'

Caption	EMAIL
Entity Name	SRH.ENTT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Comments

Name/Address

Attribute 'ENTT_ID'

Caption	ENTT_ID
Entity Name	SRH.ENTT
Primary Key	YES
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	NO

"ERD", page 101

Attributes

Attribute Properties

Constraint NotNull Name	SYS_C0064641
----------------------------	--------------

Comments

PK SRH Sequence

Attribute 'ENTT_TYPE'

Caption	ENTT_TYPE
Entity Name	SRH.ENTT
Primary Key	NO
Foreign Key	NO
Data Type	Char(2)
Not Null	YES
Unique	NO

Check Constraints

Check Constraint Name	CH_ENTT_TYPE
Check	ENTT_TYPE IN ('IN','BU')

Attribute Properties

Constraint NotNull Name	SYS_C0064642
----------------------------	--------------

Comments

Type IN for Individual BU for Business

Attribute 'FIRST_NAME'

Caption	FIRST_NAME
Entity Name	SRH.ENTT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Comments

First name of individual

"ERD", page 102

Attributes

Attribute 'LAST_NAME'

Caption	LAST_NAME
Entity Name	SRH.ENTT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Comments

Last name of individual

Attribute 'LU'

Caption	LU
Entity Name	SRH.ENTT
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO
Default	SYSDATE

Attribute Properties

Constraint NotNull Name	SYS_C0064646
----------------------------	--------------

Comments

Last Update (Date)

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.ENTT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064645
----------------------------	--------------

Comments

Last Update User

"ERD", page 103

Attributes

Attribute 'NAME_CODE'

Caption	NAME_CODE
Entity Name	SRH.ENTT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(256)
Not Null	NO
Unique	NO

Attribute 'PHONE1'

Caption	PHONE1
Entity Name	SRH.ENTT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(20)
Not Null	NO
Unique	NO

Comments

Phone number

Attribute 'PHONE2'

Caption	PHONE2
Entity Name	SRH.ENTT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(20)
Not Null	NO
Unique	NO

Comments

Phone number

Attribute 'PHONE3'

Caption	PHONE3
Entity Name	SRH.ENTT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(20)
Not Null	NO
Unique	NO

Comments

Phone number

"ERD", page 104

Attributes

Attribute 'PHONE4'

Caption	PHONE4
Entity Name	SRH.ENTT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(20)
Not Null	NO
Unique	NO

Comments

Phone number

Attribute 'STATE'

Caption	STATE
Entity Name	SRH.ENTT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Comments

Name/Address

Attribute 'SUFFIX'

Caption	SUFFIX
Entity Name	SRH.ENTT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(20)
Not Null	NO
Unique	NO

Comments

Name/Address

Attribute 'ZIP'

Caption	ZIP
Entity Name	SRH.ENTT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(10)
Not Null	NO
Unique	NO

"ERD", page 105

Attributes

Comments

Name/Address

Attribute 'ANGLER_COUNT'

Caption	ANGLER_COUNT
Entity Name	SRH.HB_REPORT
Primary Key	NO
Foreign Key	NO
Data Type	Number(3,0)
Not Null	NO
Unique	NO

Attribute 'ANGLER_FISHED'

Caption	ANGLER_FISHED
Entity Name	SRH.HB_REPORT
Primary Key	NO
Foreign Key	NO
Data Type	Number(3,0)
Not Null	NO
Unique	NO

Attribute 'AREA_ID'

Caption	AREA_ID
Entity Name	SRH.HB_REPORT
Primary Key	NO
Foreign Key	YES
	Parent Entity
	SRH.AREA
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'ARRIVAL_DATE'

Caption	ARRIVAL_DATE
Entity Name	SRH.HB_REPORT
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	NO
Unique	NO

"ERD", page 106

Attributes

Attribute 'BATCH_ID'

Caption	BATCH_ID		
Entity Name	SRH.HB_REPORT		
Primary Key	NO		
Foreign Key	YES	Parent Entity	SRH.BATCH
Data Type	Number(10,0)		
Not Null	NO		
Unique	NO		

Attribute 'CAPTAIN_NAME'

Caption	CAPTAIN_NAME		
Entity Name	SRH.HB_REPORT		
Primary Key	NO		
Foreign Key	NO		
Data Type	Varchar2(120)		
Not Null	NO		
Unique	NO		

Attribute 'DEPARTURE_DATE'

Caption	DEPARTURE_DATE		
Entity Name	SRH.HB_REPORT		
Primary Key	NO		
Foreign Key	NO		
Data Type	Date		
Not Null	NO		
Unique	NO		

Attribute 'DFS'

Caption	DFS		
Entity Name	SRH.HB_REPORT		
Primary Key	NO		
Foreign Key	NO		
Data Type	Number(3,0)		
Not Null	NO		
Unique	NO		

Attribute 'HB_REPORT_ID'

Caption	HB_REPORT_ID		
Entity Name	SRH.HB_REPORT		
Primary Key	YES		
Foreign Key	NO		
Data Type	Number		
Not Null	NO		
Unique	NO		

"ERD", page 107

Attributes

Attribute 'HB_REPORT_NUM'

Caption	HB_REPORT_NUM
Entity Name	SRH.HB_REPORT
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'LAT_LONG'

Caption	LAT_LONG
Entity Name	SRH.HB_REPORT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(10)
Not Null	NO
Unique	NO

Attribute 'LAT_MIN'

Caption	LAT_MIN
Entity Name	SRH.HB_REPORT
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'LONG_MIN'

Caption	LONG_MIN
Entity Name	SRH.HB_REPORT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(2)
Not Null	NO
Unique	NO

"ERD", page 108

Attributes

Attribute 'LU'

Caption	LU
Entity Name	SRH.HB_REPORT
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	NO
Unique	NO
Default	SYSDATE

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.HB_REPORT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Attribute 'MAX_DEPTH'

Caption	MAX_DEPTH
Entity Name	SRH.HB_REPORT
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'MIN_DEPTH'

Caption	MIN_DEPTH
Entity Name	SRH.HB_REPORT
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

"ERD", page 109

Attributes

Attribute 'PAYTYPE'

Caption	PAYTYPE
Entity Name	SRH.HB_REPORT
Primary Key	NO
Foreign Key	NO
Data Type	Number(3,0)
Not Null	NO
Unique	NO

Attribute 'PERIOD'

Caption	PERIOD
Entity Name	SRH.HB_REPORT
Primary Key	NO
Foreign Key	NO
Data Type	Number(3,0)
Not Null	NO
Unique	NO

Attribute 'PRIMARY_DEPTH_FISHED'

Caption	PRIMARY_DEPTH_FISHED
Entity Name	SRH.HB_REPORT
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'TRIP_LENGTH'

Caption	TRIP_LENGTH
Entity Name	SRH.HB_REPORT
Primary Key	NO
Foreign Key	NO
Data Type	Number(6,2)
Not Null	NO
Unique	NO

Attribute 'TRIP_TYPE_ID'

Caption	TRIP_TYPE_ID	
Entity Name	SRH.HB_REPORT	
Primary Key	NO	
Foreign Key	YES	Parent Entity
Data Type	Number(3,0)	
Not Null	NO	
Unique	NO	

"ERD", page 110

Attributes

Attribute 'VESSEL_ID'

Caption	VESSEL_ID		
Entity Name	SRH.HB_REPORT		
Primary Key	NO		
Foreign Key	YES	Parent Entity	SRH.VESSEL
Data Type	Number		
Not Null	NO		
Unique	NO		

Attribute 'CATCH_TRANS_ID'

Caption	CATCH_TRANS_ID		
Entity Name	SRH.HB_REPORT_DETAIL		
Primary Key	NO		
Foreign Key	NO		
Data Type	Number		
Not Null	NO		
Unique	NO		

Attribute 'FISH_COUNT'

Caption	FISH_COUNT		
Entity Name	SRH.HB_REPORT_DETAIL		
Primary Key	NO		
Foreign Key	NO		
Data Type	Number		
Not Null	NO		
Unique	NO		

Attribute 'FISH_RELEASED'

Caption	FISH_RELEASED		
Entity Name	SRH.HB_REPORT_DETAIL		
Primary Key	NO		
Foreign Key	NO		
Data Type	Number		
Not Null	NO		
Unique	NO		

Attribute 'FISH_WEIGHT'

Caption	FISH_WEIGHT		
Entity Name	SRH.HB_REPORT_DETAIL		
Primary Key	NO		
Foreign Key	NO		
Data Type	Number		
Not Null	NO		
Unique	NO		

"ERD", page 111

Attributes

Attribute 'HB_REPORT_DETAIL_ID'

Caption	HB_REPORT_DETAIL_ID
Entity Name	SRH.HB_REPORT_DETAIL
Primary Key	YES
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'HB_REPORT_ID'

Caption	HB_REPORT_ID	
Entity Name	SRH.HB_REPORT_DETAIL	
Primary Key	NO	
Foreign Key	YES	Parent Entity
Data Type	Number	
Not Null	NO	
Unique	NO	

Comments

FK HB_REPORT

Attribute 'LU'

Caption	LU
Entity Name	SRH.HB_REPORT_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	NO
Unique	NO

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.HB_REPORT_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

"ERD", page 112

Attributes

Attribute 'RELEASED_ALIVE'

Caption	RELEASED_ALIVE
Entity Name	SRH.HB_REPORT_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Number(6,0)
Not Null	NO
Unique	NO

Attribute 'RELEASED_DEAD'

Caption	RELEASED_DEAD
Entity Name	SRH.HB_REPORT_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Number(6,0)
Not Null	NO
Unique	NO

Attribute 'SPECIES_ID'

Caption	SPECIES_ID	
Entity Name	SRH.HB_REPORT_DETAIL	
Primary Key	NO	
Foreign Key	YES	Parent Entity
Data Type	Number	
Not Null	NO	
Unique	NO	

Attribute 'AREA_ID'

Caption	AREA_ID
Entity Name	SRH.LANDING_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'BATCH_ID'

Caption	BATCH_ID	
Entity Name	SRH.LANDING_ESTIMATES	
Primary Key	NO	
Foreign Key	YES	Parent Entity
Data Type	Number(10,0)	
Not Null	NO	
Unique	NO	

"ERD", page 113

Attributes

Attribute 'EST_MONTH'

Caption	EST_MONTH
Entity Name	SRH.LANDING_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'EST_YEAR'

Caption	EST_YEAR
Entity Name	SRH.LANDING_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(42)
Not Null	NO
Unique	NO

Attribute 'LANDING_ESTIMATES_ID'

Caption	LANDING_ESTIMATES_ID
Entity Name	SRH.LANDING_ESTIMATES
Primary Key	YES
Foreign Key	NO
Data Type	Integer
Not Null	YES
Unique	NO

Attribute 'LU'

Caption	LU
Entity Name	SRH.LANDING_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	NO
Unique	NO

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.LANDING_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

"ERD", page 114

Attributes

Attribute 'RELEASEAL'

Caption	RELEASEAL
Entity Name	SRH.LANDING_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'RELEASEDE'

Caption	RELEASEDE
Entity Name	SRH.LANDING_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'SPECIES_ID'

Caption	SPECIES_ID
Entity Name	SRH.LANDING_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'SUMCATCH'

Caption	SUMCATCH
Entity Name	SRH.LANDING_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'TOTCATCH'

Caption	TOTCATCH
Entity Name	SRH.LANDING_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

"ERD", page 115

Attributes

Attribute 'VESSEL_ID'

Caption	VESSEL_ID
Entity Name	SRH.LANDING_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'WEIGHT'

Caption	WEIGHT
Entity Name	SRH.LANDING_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'AREA'

Caption	AREA
Entity Name	SRH.LOAD_ANG_DAYS
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'BATCH_ID'

Caption	BATCH_ID
Entity Name	SRH.LOAD_ANG_DAYS
Primary Key	NO
Foreign Key	YES
Data Type	Number(10,0)
Not Null	NO
Unique	NO

Attribute 'EST_ANGDAYS'

Caption	EST_ANGDAYS
Entity Name	SRH.LOAD_ANG_DAYS
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

"ERD", page 116

Attributes

Attribute 'LOAD_ANGDAYS_ID'

Caption	LOAD_ANGDAYS_ID
Entity Name	SRH.LOAD_ANG_DAYS
Primary Key	YES
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	NO

Comments

PK Sequence

Attribute 'LU'

Caption	LU
Entity Name	SRH.LOAD_ANG_DAYS
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	NO
Unique	NO

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.LOAD_ANG_DAYS
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Attribute 'MONTH'

Caption	MONTH
Entity Name	SRH.LOAD_ANG_DAYS
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

"ERD", page 117

Attributes

Attribute 'YEAR'

Caption	YEAR
Entity Name	SRH.LOAD_ANG_DAYS
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'BATCH_ID'

Caption	BATCH_ID	
Entity Name	SRH.LOAD_BOARD	
Primary Key	NO	
Foreign Key	YES	Parent Entity
Data Type	Number(10,0)	
Not Null	NO	
Unique	NO	

Comments

FK to Batch

Attribute 'LOAD_BOARD_ID'

Caption	LOAD_BOARD_ID
Entity Name	SRH.LOAD_BOARD
Primary Key	YES
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064569
----------------------------	--------------

Comments

PK for load - Sequence

Attribute 'LOAD_MSG'

Caption	LOAD_MSG
Entity Name	SRH.LOAD_BOARD
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

"ERD", page 118

Attributes

Comments

Row level error message when load fail

Attribute 'LOAD_STATUS'

Caption	LOAD_STATUS
Entity Name	SRH.LOAD_BOARD
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(1)
Not Null	NO
Unique	NO

Comments

(P)ass - (F)ail

Attribute 'LU'

Caption	LU
Entity Name	SRH.LOAD_BOARD
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO
Default	SYSDATE

Attribute Properties

Constraint NotNull Name	SYS_C0064573
----------------------------	--------------

Comments

Last updated date

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.LOAD_BOARD
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064572
----------------------------	--------------

"ERD", page 119

Attributes

Comments

Last Updated by User

Attribute 'TRIP_SAMPLE_DATA'

Caption	TRIP_SAMPLE_DATA
Entity Name	SRH.LOAD_BOARD
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(512)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064571
----------------------------	--------------

Comments

Sampling Board data

Attribute 'AREA'

Caption	AREA
Entity Name	SRH.LOAD_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'ASTERISK'

Caption	ASTERISK
Entity Name	SRH.LOAD_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Char(1)
Not Null	NO
Unique	NO

Attribute 'BATCH_ID'

Caption	BATCH_ID
Entity Name	SRH.LOAD_ESTIMATES
Primary Key	NO
Foreign Key	YES
Data Type	Number(10,0)
Not Null	NO
Unique	NO

"ERD", page 120

Attributes

Attribute 'LOAD_ESTIMATES_ID'

Caption	LOAD_ESTIMATES_ID
Entity Name	SRH.LOAD_ESTIMATES
Primary Key	YES
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	NO

Comments

PK Sequence

Attribute 'LOAD_MSG'

Caption	LOAD_MSG
Entity Name	SRH.LOAD_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Comments

Row level error message when load fail

Attribute 'LOAD_STATUS'

Caption	LOAD_STATUS
Entity Name	SRH.LOAD_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(1)
Not Null	NO
Unique	NO

Comments

(P)ass - (F)ail

Attribute 'LU'

Caption	LU
Entity Name	SRH.LOAD_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	NO
Unique	NO

"ERD", page 121

Attributes

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.LOAD_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Attribute 'PERIOD'

Caption	PERIOD
Entity Name	SRH.LOAD_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'RELEASEAL'

Caption	RELEASEAL
Entity Name	SRH.LOAD_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'RELEASEDE'

Caption	RELEASEDE
Entity Name	SRH.LOAD_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'SPECIES'

Caption	SPECIES
Entity Name	SRH.LOAD_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

"ERD", page 122

Attributes

Attribute 'SUMCATCH'

Caption	SUMCATCH
Entity Name	SRH.LOAD_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'TOTCATCH'

Caption	TOTCATCH
Entity Name	SRH.LOAD_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'VESSEL'

Caption	VESSEL
Entity Name	SRH.LOAD_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'WEIGHT'

Caption	WEIGHT
Entity Name	SRH.LOAD_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'YEAR'

Caption	YEAR
Entity Name	SRH.LOAD_ESTIMATES
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

"ERD", page 123

Attributes

Attribute 'BATCH_ID'

Caption	BATCH_ID		
Entity Name	SRH.LOAD_SCHEDULE		
Primary Key	NO		
Foreign Key	YES	Parent Entity	SRH.BATCH
Data Type	Number(10,0)		
Not Null	NO		
Unique	NO		

Attribute 'CLUSTER_ID'

Caption	CLUSTER_ID		
Entity Name	SRH.LOAD_SCHEDULE		
Primary Key	NO		
Foreign Key	NO		
Data Type	Number(6,0)		
Not Null	YES		
Unique	NO		

Attribute Properties

Constraint NotNull Name	SYS_C0066439
----------------------------	--------------

Attribute 'LOAD_MSG'

Caption	LOAD_MSG		
Entity Name	SRH.LOAD_SCHEDULE		
Primary Key	NO		
Foreign Key	NO		
Data Type	Varchar2(120)		
Not Null	NO		
Unique	NO		

Comments

Row level error message when load fail

Attribute 'LOAD_SCHEDULE_ID'

Caption	LOAD_SCHEDULE_ID		
Entity Name	SRH.LOAD_SCHEDULE		
Primary Key	NO		
Foreign Key	NO		
Data Type	Number		
Not Null	YES		
Unique	NO		

Attribute Properties

Constraint	SYS_C0066434
------------	--------------

"ERD", page 124

Attributes

NotNull Name	
---------------------	--

Attribute 'LOAD_STATUS'

Caption	LOAD_STATUS
Entity Name	SRH.LOAD_SCHEDULE
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(1)
Not Null	NO
Unique	NO

Comments

(P)ass - (F)ail

Attribute 'LU'

Caption	LU
Entity Name	SRH.LOAD_SCHEDULE
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO

Attribute Properties

Constraint	
NotNull Name	SYS_C0066441

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.LOAD_SCHEDULE
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	NO

Attribute Properties

Constraint	
NotNull Name	SYS_C0066440

"ERD", page 125

Attributes

Attribute 'PORT_AGENT_NUM'

Caption	PORT_AGENT_NUM
Entity Name	SRH.LOAD_SCHEDULE
Primary Key	NO
Foreign Key	NO
Data Type	Number(6,0)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0066436
----------------------------	--------------

Attribute 'PORT_NUM1'

Caption	PORT_NUM1
Entity Name	SRH.LOAD_SCHEDULE
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'PORT_NUM2'

Caption	PORT_NUM2
Entity Name	SRH.LOAD_SCHEDULE
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'PORT_NUM3'

Caption	PORT_NUM3
Entity Name	SRH.LOAD_SCHEDULE
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

"ERD", page 126

Attributes

Attribute 'TRIP_SCHEDULE_DATE'

Caption	TRIP_SCHEDULE_DATE
Entity Name	SRH.LOAD_SCHEDULE
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0066438
----------------------------	--------------

Attribute 'WEEK_NUM'

Caption	WEEK_NUM
Entity Name	SRH.LOAD_SCHEDULE
Primary Key	NO
Foreign Key	NO
Data Type	Number(2,0)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0066437
----------------------------	--------------

Attribute 'ZONE'

Caption	ZONE
Entity Name	SRH.LOAD_SCHEDULE
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(10)
Not Null	NO
Unique	NO

Attribute 'ARRIVEDATE_TIME'

Caption	ARRIVEDATE_TIME
Entity Name	SRH.LOAD_SE_LOGBOOK
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(30)
Not Null	NO
Unique	NO

"ERD", page 127

Attributes

Comments

YYYY-mm-dd hh:mm:ss

Attribute 'BATCH_ID'

Caption	BATCH_ID		
Entity Name	SRH.LOAD_SE_LOGBOOK		
Primary Key	NO		
Foreign Key	YES	Parent Entity	SRH.BATCH
Data Type	Number(10,0)		
Not Null	NO		
Unique	NO		

Comments

FK to Batch

Attribute 'CAPTAINNAME'

Caption	CAPTAINNAME		
Entity Name	SRH.LOAD_SE_LOGBOOK		
Primary Key	NO		
Foreign Key	NO		
Data Type	Varchar2(100)		
Not Null	NO		
Unique	NO		

Attribute 'CATCHTRANSACTIONID'

Caption	CATCHTRANSACTIONID		
Entity Name	SRH.LOAD_SE_LOGBOOK		
Primary Key	NO		
Foreign Key	NO		
Data Type	Number		
Not Null	NO		
Unique	NO		

Attribute 'DEPARTDATE_TIME'

Caption	DEPARTDATE_TIME		
Entity Name	SRH.LOAD_SE_LOGBOOK		
Primary Key	NO		
Foreign Key	NO		
Data Type	Varchar2(30)		
Not Null	NO		
Unique	NO		

Comments

MM/DD/YYYY HH:MI:SS AM

"ERD", page 128

Attributes

Attribute 'LATLONG'

Caption	LATLONG
Entity Name	SRH.LOAD_SE_LOGBOOK
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(30)
Not Null	NO
Unique	NO

Attribute 'LATMINUTES'

Caption	LATMINUTES
Entity Name	SRH.LOAD_SE_LOGBOOK
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(30)
Not Null	NO
Unique	NO

Comments

Values: (1,2,3,4,5,6)

Attribute 'LOAD_MSG'

Caption	LOAD_MSG
Entity Name	SRH.LOAD_SE_LOGBOOK
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Comments

Row level error message when load fail

Attribute 'LOAD_SE_LOGBOOK_ID'

Caption	LOAD_SE_LOGBOOK_ID
Entity Name	SRH.LOAD_SE_LOGBOOK
Primary Key	YES
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0072923
----------------------------	--------------

"ERD", page 129

Attributes

Comments

PK for this table (sequence)

Attribute 'LOAD_STATUS'

Caption	LOAD_STATUS
Entity Name	SRH.LOAD_SE_LOGBOOK
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(1)
Not Null	NO
Unique	NO

Comments

(P)ass - (F)ail

Attribute 'LONGMINUTES'

Caption	LONGMINUTES
Entity Name	SRH.LOAD_SE_LOGBOOK
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(1)
Not Null	NO
Unique	NO

Comments

Values: (A,B,C,D,E,F)

Attribute 'LU'

Caption	LU
Entity Name	SRH.LOAD_SE_LOGBOOK
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	NO
Unique	NO

Comments

Last update date

"ERD", page 130

Attributes

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.LOAD_SE_LOGBOOK
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Comments

Last update user

Attribute 'MAXDEPTH'

Caption	MAXDEPTH
Entity Name	SRH.LOAD_SE_LOGBOOK
Primary Key	NO
Foreign Key	NO
Data Type	Number(6,0)
Not Null	NO
Unique	NO

Attribute 'MINDEPTH'

Caption	MINDEPTH
Entity Name	SRH.LOAD_SE_LOGBOOK
Primary Key	NO
Foreign Key	NO
Data Type	Number(6,0)
Not Null	NO
Unique	NO

Attribute 'NUMANGLERS'

Caption	NUMANGLERS
Entity Name	SRH.LOAD_SE_LOGBOOK
Primary Key	NO
Foreign Key	NO
Data Type	Number(3,0)
Not Null	NO
Unique	NO

"ERD", page 131

Attributes

Attribute 'NUMKEPT'

Caption	NUMKEPT
Entity Name	SRH.LOAD_SE_LOGBOOK
Primary Key	NO
Foreign Key	NO
Data Type	Number(6,0)
Not Null	NO
Unique	NO

Attribute 'NUMRELEASED'

Caption	NUMRELEASED
Entity Name	SRH.LOAD_SE_LOGBOOK
Primary Key	NO
Foreign Key	NO
Data Type	Number(6,0)
Not Null	NO
Unique	NO

Attribute 'PRIMARYDEPTHFISHED'

Caption	PRIMARYDEPTHFISHED
Entity Name	SRH.LOAD_SE_LOGBOOK
Primary Key	NO
Foreign Key	NO
Data Type	Number(6,0)
Not Null	NO
Unique	NO

Attribute 'SPECIESCODE'

Caption	SPECIESCODE
Entity Name	SRH.LOAD_SE_LOGBOOK
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(30)
Not Null	NO
Unique	NO

Attribute 'TRIPREPORTNUMBER'

Caption	TRIPREPORTNUMBER
Entity Name	SRH.LOAD_SE_LOGBOOK
Primary Key	NO
Foreign Key	NO
Data Type	Number(6,0)
Not Null	NO
Unique	NO

"ERD", page 132

Attributes

Attribute 'TRIPTIME'

Caption	TRIPTIME
Entity Name	SRH.LOAD_SE_LOGBOOK
Primary Key	NO
Foreign Key	NO
Data Type	Number(6,2)
Not Null	NO
Unique	NO

Attribute 'TRIPTYPE'

Caption	TRIPTYPE
Entity Name	SRH.LOAD_SE_LOGBOOK
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Comments

Trip Type

Attribute 'UPDATED'

Caption	UPDATED
Entity Name	SRH.LOAD_SE_LOGBOOK
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(30)
Not Null	NO
Unique	NO

Comments

Boolean (False, True)

Attribute 'VESSELAREACODE'

Caption	VESSELAREACODE
Entity Name	SRH.LOAD_SE_LOGBOOK
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(2)
Not Null	NO
Unique	NO

"ERD", page 133

Attributes

Attribute 'VESSELCODE'

Caption	VESSELCODE
Entity Name	SRH.LOAD_SE_LOGBOOK
Primary Key	NO
Foreign Key	NO
Data Type	Number(6,0)
Not Null	NO
Unique	NO

Attribute 'VESSELNAME'

Caption	VESSELNAME
Entity Name	SRH.LOAD_SE_LOGBOOK
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(100)
Not Null	NO
Unique	NO

Attribute 'VOIDED'

Caption	VOIDED
Entity Name	SRH.LOAD_SE_LOGBOOK
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(30)
Not Null	NO
Unique	NO

Comments

Boolean (False, True)

Attribute 'ADMIN_OR_GROUP'

Caption	ADMIN_OR_GROUP
Entity Name	SRH.MAINTENANCE_LIST
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(32)
Not Null	NO
Unique	NO

Check Constraints

Check Constraint Name	CH_GROUP
Check	ADMIN_OR_GROUP IN ('ADMIN','AGENT','LOGBOOK')

"ERD", page 134

Attributes

Attribute 'CATEGORY'

Caption	CATEGORY
Entity Name	SRH.MAINTENANCE_LIST
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(32)
Not Null	NO
Unique	NO

Attribute 'LU'

Caption	LU
Entity Name	SRH.MAINTENANCE_LIST
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	NO
Unique	NO

Attribute 'LU_USER'

Caption	LU_USER
Entity Name	SRH.MAINTENANCE_LIST
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(256)
Not Null	NO
Unique	NO

Attribute 'MAINTENANCE_LIST_DESC'

Caption	MAINTENANCE_LIST_DESC
Entity Name	SRH.MAINTENANCE_LIST
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(512)
Not Null	NO
Unique	NO

Attribute 'MAINTENANCE_LIST_ID'

Caption	MAINTENANCE_LIST_ID
Entity Name	SRH.MAINTENANCE_LIST
Primary Key	YES
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	NO

"ERD", page 135

Attributes

Attribute Properties

Constraint NotNull Name	SYS_C0061510
------------------------------------	--------------

Attribute 'MAINTENANCE_LIST_NM'

Caption	MAINTENANCE_LIST_NM
Entity Name	SRH.MAINTENANCE_LIST
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(60)
Not Null	NO
Unique	NO

Attribute 'PAGE_NUM'

Caption	PAGE_NUM
Entity Name	SRH.MAINTENANCE_LIST
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	YES

Attribute Properties

Constraint NotNull Name	SYS_C0061509
------------------------------------	--------------

Attribute 'PORT_AGENT_ID'

Caption	PORT_AGENT_ID
Entity Name	SRH.PA_LINK
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'TRIP_HIST_DETAIL_ID'

Caption	TRIP_HIST_DETAIL_ID
Entity Name	SRH.PA_LINK
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

"ERD", page 136

Attributes

Attribute 'ADD_STR1'

Caption	ADD_STR1
Entity Name	SRH.PORT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Comments

Port address

Attribute 'ADD_STR2'

Caption	ADD_STR2
Entity Name	SRH.PORT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Comments

Port address

Attribute 'ADD_STR3'

Caption	ADD_STR3
Entity Name	SRH.PORT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Comments

Port address

Attribute 'AREA_ID'

Caption	AREA_ID	
Entity Name	SRH.PORT	
Primary Key	NO	
Foreign Key	YES	Parent Entity
Data Type	Number	
Not Null	YES	
Unique	NO	

"ERD", page 137

Attributes

Comments

Landing area associated with the Port location. This is not a Fishing Area.

Attribute 'CITY'

Caption	CITY
Entity Name	SRH.PORT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Comments

Port address

Attribute 'IS_ACTIVE'

Caption	IS_ACTIVE
Entity Name	SRH.PORT
Primary Key	NO
Foreign Key	NO
Data Type	Number(1,0)
Not Null	YES
Unique	NO

Check Constraints

Check Constraint Name	BOOLEAN_1_0
Check	IS_ACTIVE IN (1,0)

Attribute Properties

Constraint NotNull Name	SYS_C0066562
-------------------------	--------------

Comments

Indicates if this is an active port in use by port agents and vessels

Attribute 'LU'

Caption	LU
Entity Name	SRH.PORT
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO
Default	SYSDATE

"ERD", page 138

Attributes

Attribute Properties

Constraint NotNull Name	SYS_C0066564
----------------------------	--------------

Comments

Last Update (Date)

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.PORT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0066563
----------------------------	--------------

Comments

Last Update User

Attribute 'PHONE1'

Caption	PHONE1
Entity Name	SRH.PORT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(20)
Not Null	NO
Unique	NO

Attribute 'PHONE2'

Caption	PHONE2
Entity Name	SRH.PORT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

"ERD", page 139

Attributes

Attribute 'PORT_ID'

Caption	PORT_ID
Entity Name	SRH.PORT
Primary Key	YES
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0066559
----------------------------	--------------

Comments

PK sequence

Attribute 'PORT_NAME'

Caption	PORT_NAME
Entity Name	SRH.PORT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0066561
----------------------------	--------------

Comments

Name of the port

Attribute 'PORT_NUM'

Caption	PORT_NUM
Entity Name	SRH.PORT
Primary Key	NO
Foreign Key	NO
Data Type	Number(10,0)
Not Null	YES
Unique	YES

Attribute Properties

Constraint NotNull Name	SYS_C0066560
----------------------------	--------------

"ERD", page 140

Attributes

Comments

User defined port identifier

Attribute 'STATE'

Caption	STATE
Entity Name	SRH.PORT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Comments

Port address

Attribute 'ZIP'

Caption	ZIP
Entity Name	SRH.PORT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Comments

Port address

Attribute 'AFFILIATION_AGENCY'

Caption	AFFILIATION_AGENCY
Entity Name	SRH.PORT_AGENT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(20)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064666
----------------------------	--------------

Comments

Port Agent affiliated Agency

"ERD", page 141

Attributes

Attribute 'APP_USER_CODE'

Caption	APP_USER_CODE
Entity Name	SRH.PORT_AGENT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064664
----------------------------	--------------

Comments

Application Username

Attribute 'IS_ACTIVE'

Caption	IS_ACTIVE
Entity Name	SRH.PORT_AGENT
Primary Key	NO
Foreign Key	NO
Data Type	Number(1,0)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064665
----------------------------	--------------

Comments

Status 1-Active 0-Inactive

Attribute 'LU'

Caption	LU
Entity Name	SRH.PORT_AGENT
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064668
----------------------------	--------------

"ERD", page 142

Attributes

Comments

Last Update (Date)

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.PORT_AGENT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064667
----------------------------	--------------

Comments

Last Update User

Attribute 'PORT_AGENT_ID'

Caption	PORT_AGENT_ID
Entity Name	SRH.PORT_AGENT
Primary Key	YES
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064661
----------------------------	--------------

Comments

PK SRH sequence

Attribute 'PORT_AGENT_NAME'

Caption	PORT_AGENT_NAME
Entity Name	SRH.PORT_AGENT
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	NO

Attribute Properties

Constraint	SYS_C0064663
------------	--------------

"ERD", page 143

Attributes

NotNull Name	
---------------------	--

Comments

Port Agent Name

Attribute 'PORT_AGENT_NUM'

Caption	PORT_AGENT_NUM
Entity Name	SRH.PORT_AGENT
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	NO

Attribute Properties

Constraint	
NotNull Name	SYS_C0064662

Comments

SRHS Port Agent ID

Attribute 'AREA_ID'

Caption	AREA_ID	
Entity Name	SRH.PORT_AGENT_AREA	
Primary Key	NO	
Foreign Key	YES	Parent Entity
Data Type	Number	
Not Null	NO	
Unique	NO	

Comments

Area assigned to the Port Agent

Attribute 'LU'

Caption	LU
Entity Name	SRH.PORT_AGENT_AREA
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	NO
Unique	NO

Comments

Last Update (Date)

"ERD", page 144

Attributes

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.PORT_AGENT_AREA
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Comments

Last Update User

Attribute 'PORT_AGENT_AREA_ID'

Caption	PORT_AGENT_AREA_ID
Entity Name	SRH.PORT_AGENT_AREA
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Comments

PK Sequence

Attribute 'PORT_AGENT_ID'

Caption	PORT_AGENT_ID
Entity Name	SRH.PORT_AGENT_AREA
Primary Key	NO
Foreign Key	YES
	Parent Entity
Data Type	Number
Not Null	NO
Unique	NO

Comments

Port Agent ID

Attribute 'IS_COMMENT_NEEDED'

Caption	IS_COMMENT_NEEDED
Entity Name	SRH.REASON_NO_HAR
Primary Key	NO
Foreign Key	NO
Data Type	Number(1,0)
Not Null	YES
Unique	NO

"ERD", page 145

Attributes

Attribute Properties

Constraint NotNull Name	SYS_C0070585
------------------------------------	--------------

Attribute 'LU'

Caption	LU
Entity Name	SRH.REASON_NO_HAR
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0070587
------------------------------------	--------------

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.REASON_NO_HAR
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0070586
------------------------------------	--------------

Attribute 'REASON_NAME'

Caption	REASON_NAME
Entity Name	SRH.REASON_NO_HAR
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	YES

"ERD", page 146

Attributes

Attribute 'REASON_NO_HAR_ID'

Caption	REASON_NO_HAR_ID
Entity Name	SRH.REASON_NO_HAR
Primary Key	YES
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0070584
----------------------------	--------------

Attribute 'IS_COMMENT_NEEDED'

Caption	IS_COMMENT_NEEDED
Entity Name	SRH.REASON_NO_SAMPLE
Primary Key	NO
Foreign Key	NO
Data Type	Number(1,0)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0070581
----------------------------	--------------

Comments

Is a comment required

Attribute 'LU'

Caption	LU
Entity Name	SRH.REASON_NO_SAMPLE
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0070583
----------------------------	--------------

Comments

Last Update Date

"ERD", page 147

Attributes

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.REASON_NO_SAMPLE
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0070582
----------------------------	--------------

Comments

Last Update User

Attribute 'REASON_NAME'

Caption	REASON_NAME
Entity Name	SRH.REASON_NO_SAMPLE
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0070580
----------------------------	--------------

Comments

Name of reason

Attribute 'REASON_NO_SAMPLE_ID'

Caption	REASON_NO_SAMPLE_ID
Entity Name	SRH.REASON_NO_SAMPLE
Primary Key	YES
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0070579
----------------------------	--------------

"ERD", page 148

Attributes

Comments

PK for this table

Attribute 'ADMIN_OR_GROUP'

Caption	ADMIN_OR_GROUP
Entity Name	SRH.REPORTS
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(32)
Not Null	NO
Unique	NO

Attribute 'CATEGORY'

Caption	CATEGORY
Entity Name	SRH.REPORTS
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(32)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064849
----------------------------	--------------

Comments

To group reports into categories

Attribute 'LU'

Caption	LU
Entity Name	SRH.REPORTS
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064850
----------------------------	--------------

Comments

Last update

"ERD", page 149

Attributes

Attribute 'LU_USER'

Caption	LU_USER
Entity Name	SRH.REPORTS
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(256)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064851
----------------------------	--------------

Comments

Last update user

Attribute 'PAGE_NUM'

Caption	PAGE_NUM
Entity Name	SRH.REPORTS
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	YES

Attribute Properties

Constraint NotNull Name	SYS_C0061504
----------------------------	--------------

Comments

APEX page for this report

Attribute 'REPORT_DESC'

Caption	REPORT_DESC
Entity Name	SRH.REPORTS
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(512)
Not Null	NO
Unique	NO

Comments

Description of the report - searchable

"ERD", page 150

Attributes

Attribute 'REPORT_NM'

Caption	REPORT_NM
Entity Name	SRH.REPORTS
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(60)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064848
----------------------------	--------------

Comments

Name of the report

Attribute 'REPORTS_ID'

Caption	REPORTS_ID
Entity Name	SRH.REPORTS
Primary Key	YES
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0061505
----------------------------	--------------

Comments

Internal Primary Key

Attribute 'A_FIELD'

Caption	A_FIELD
Entity Name	SRH.SAMPLE_ACTIVITY
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(30)
Not Null	NO
Unique	NO

Comments

Used by trigger - special data processing field

"ERD", page 151

Attributes

Attribute 'ANGLER_CNT'

Caption	ANGLER_CNT
Entity Name	SRH.SAMPLE_ACTIVITY
Primary Key	NO
Foreign Key	NO
Data Type	Number(3,0)
Not Null	NO
Unique	NO

Comments

An observed count of the number of anglers on a fishing trip. For future use if Users decide to enter engler count while entering sample data instead of a seperate activity report.

Attribute 'ASSG_PORT_ORDER'

Caption	ASSG_PORT_ORDER
Entity Name	SRH.SAMPLE_ACTIVITY
Primary Key	NO
Foreign Key	NO
Data Type	Number(2,0)
Not Null	NO
Unique	NO

Comments

Order of the ports on the assignment

Attribute 'EXP_ARRIVAL_TIME'

Caption	EXP_ARRIVAL_TIME
Entity Name	SRH.SAMPLE_ACTIVITY
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(5)
Not Null	NO
Unique	NO

Comments

Expected Arrival Time - 24 hour - 09:00

"ERD", page 152

Attributes

Attribute 'LU'

Caption	LU
Entity Name	SRH.SAMPLE_ACTIVITY
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO
Default	SYSDATE

Attribute Properties

Constraint NotNull Name	SYS_C0071416
----------------------------	--------------

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.SAMPLE_ACTIVITY
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0071415
----------------------------	--------------

Comments

Last Update User

Attribute 'PORT_AGENT_ID'

Caption	PORT_AGENT_ID		
Entity Name	SRH.SAMPLE_ACTIVITY		
Primary Key	NO		
Foreign Key	YES	Parent Entity	SRH.PORT_AGENT
Data Type	Number		
Not Null	YES		
Unique	NO		

Attribute Properties

Constraint NotNull Name	SYS_C0071412
----------------------------	--------------

Comments

FK to Port Agent. Identifies Port Agent who worked with these vessels for sampling

"ERD", page 153

Attributes

Attribute 'REASON_NO_SAMPLE_COMMENT'

Caption	REASON_NO_SAMPLE_COMMENT		
Entity Name	SRH.SAMPLE_ACTIVITY		
Primary Key	NO		
Foreign Key	NO		
Data Type	Varchar2(120)		
Not Null	NO		
Unique	NO		

Comments

Comment for why trip was not sampled

Attribute 'REASON_NO_SAMPLE_ID'

Caption	REASON_NO_SAMPLE_ID		
Entity Name	SRH.SAMPLE_ACTIVITY		
Primary Key	NO		
Foreign Key	YES	Parent Entity	SRH.REASON_NO_SAMPLE
Data Type	Number		
Not Null	NO		
Unique	NO		

Comments

When no sample is taken from a vessel at the assigned port the agent is suppose to supply the reason for not taking the sample.

Attribute 'SAMPLE_ACTIVITY_DATE'

Caption	SAMPLE_ACTIVITY_DATE		
Entity Name	SRH.SAMPLE_ACTIVITY		
Primary Key	NO		
Foreign Key	NO		
Data Type	Date		
Not Null	YES		
Unique	NO		
Default	SYSDATE		

Attribute Properties

Constraint NotNull Name	SYS_C0071410
----------------------------	--------------

Comments

Date of sampling activity

"ERD", page 154

Attributes

Attribute 'SAMPLE_ACTIVITY_ID'

Caption	SAMPLE_ACTIVITY_ID
Entity Name	SRH.SAMPLE_ACTIVITY
Primary Key	YES
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0071409
----------------------------	--------------

Comments

PK for this table.

Attribute 'TRIP_SAMPLE_ID'

Caption	TRIP_SAMPLE_ID		
Entity Name	SRH.SAMPLE_ACTIVITY		
Primary Key	NO		
Foreign Key	YES	Parent Entity	SRH.TRIP_SAMPLE
Data Type	Number		
Not Null	NO		
Unique	NO		

Comments

FK to Trip Sample. Identifies the trip sample data from the measuring board when sample taken.

Attribute 'TRIP_TYPE_ID'

Caption	TRIP_TYPE_ID		
Entity Name	SRH.SAMPLE_ACTIVITY		
Primary Key	NO		
Foreign Key	YES	Parent Entity	SRH.TRIP_TYPE
Data Type	Number(3,0)		
Not Null	YES		
Unique	NO		

Attribute Properties

Constraint NotNull Name	SYS_C0071414
----------------------------	--------------

Comments

FK to Trip Type. Identifies the type of fishing trip. i.e. half day.

"ERD", page 155

Attributes

Attribute 'VESSEL_ID'

Caption	VESSEL_ID		
Entity Name	SRH.SAMPLE_ACTIVITY		
Primary Key	NO		
Foreign Key	YES	Parent Entity	SRH.VESSEL
Data Type	Number		
Not Null	YES		
Unique	NO		

Attribute Properties

Constraint NotNull Name	SYS_C0071411
----------------------------	--------------

Comments

FK to Vessel. Identifies the vessel from where the sample data/report was taken.

Attribute 'VESSEL_TRIP_NUM'

Caption	VESSEL_TRIP_NUM		
Entity Name	SRH.SAMPLE_ACTIVITY		
Primary Key	NO		
Foreign Key	NO		
Data Type	Number(1,0)		
Not Null	NO		
Unique	NO		

Comments

Number of the trip for the vessel in the same day

Attribute 'VESSEL_TRIP_ORDER'

Caption	VESSEL_TRIP_ORDER		
Entity Name	SRH.SAMPLE_ACTIVITY		
Primary Key	NO		
Foreign Key	NO		
Data Type	Number(2,0)		
Not Null	NO		
Unique	NO		

Comments

Alphabetical order according to port name and expected arrival time

"ERD", page 156

Attributes

Attribute 'LU'

Caption	LU
Entity Name	SRH.SPECIES
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0067223
----------------------------	--------------

Comments

Last update date

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.SPECIES
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0067222
----------------------------	--------------

Comments

Last update user

Attribute 'SPECIES_CODE_STR'

Caption	SPECIES_CODE_STR
Entity Name	SRH.SPECIES
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(10)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0067220
----------------------------	--------------

"ERD", page 157

Attributes

Comments

Numeric species code used by Beaufort measuring boards

Attribute 'SPECIES_GRP_CODE'

Caption	SPECIES_GRP_CODE
Entity Name	SRH.SPECIES
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(10)
Not Null	NO
Unique	NO

Attribute 'SPECIES_ID'

Caption	SPECIES_ID
Entity Name	SRH.SPECIES
Primary Key	YES
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0067218
----------------------------	--------------

Comments

PK for this table

Attribute 'SPECIES_ITIS'

Caption	SPECIES_ITIS
Entity Name	SRH.SPECIES
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(60)
Not Null	NO
Unique	NO

Comments

ITIS code for integrating with other systems

"ERD", page 158

Attributes

Attribute 'SPECIES_NAME'

Caption	SPECIES_NAME
Entity Name	SRH.SPECIES
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0067221
----------------------------	--------------

Comments

Name

Attribute 'SPECIES_NUM'

Caption	SPECIES_NUM
Entity Name	SRH.SPECIES
Primary Key	NO
Foreign Key	NO
Data Type	Number(6,0)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0067219
----------------------------	--------------

Comments

Numeric species code used by Beaufort measuring boards

Attribute 'AGENT_NAME'

Caption	AGENT_NAME
Entity Name	SRH.TEMP_COLL_HIS
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

"ERD", page 159

Attributes

Attribute 'DATE_COLL'

Caption	DATE_COLL
Entity Name	SRH.TEMP_COLL_HIS
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(10)
Not Null	NO
Unique	NO

Attribute 'END_COLL'

Caption	END_COLL
Entity Name	SRH.TEMP_COLL_HIS
Primary Key	NO
Foreign Key	NO
Data Type	Number(8,0)
Not Null	NO
Unique	NO

Attribute 'ISSUED_BY'

Caption	ISSUED_BY
Entity Name	SRH.TEMP_COLL_HIS
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(5)
Not Null	NO
Unique	NO

Attribute 'REGION'

Caption	REGION
Entity Name	SRH.TEMP_COLL_HIS
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(6)
Not Null	NO
Unique	NO

Attribute 'START_COLL'

Caption	START_COLL
Entity Name	SRH.TEMP_COLL_HIS
Primary Key	NO
Foreign Key	NO
Data Type	Number(8,0)
Not Null	NO
Unique	NO

"ERD", page 160

Attributes

Attribute 'A_FIELD'

Caption	A_FIELD
Entity Name	SRH.TRIP_ACTIVITY
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(30)
Not Null	NO
Unique	NO

Comments

Field used by Apex UI

Attribute 'ANGLER_CNT'

Caption	ANGLER_CNT
Entity Name	SRH.TRIP_ACTIVITY
Primary Key	NO
Foreign Key	NO
Data Type	Number(3,0)
Not Null	NO
Unique	NO

Comments

An observed count of the number of anglers on a fishing trip.

Attribute 'ASSG_PORT_ORDER'

Caption	ASSG_PORT_ORDER
Entity Name	SRH.TRIP_ACTIVITY
Primary Key	NO
Foreign Key	NO
Data Type	Number(2,0)
Not Null	NO
Unique	NO

Comments

No Used - to be removed

Attribute 'EXP_ARRIVAL_TIME'

Caption	EXP_ARRIVAL_TIME
Entity Name	SRH.TRIP_ACTIVITY
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(5)
Not Null	NO
Unique	NO
Default	null

"ERD", page 161

Attributes

Comments

No Used - to be removed

Attribute 'LU'

Caption	LU
Entity Name	SRH.TRIP_ACTIVITY
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO
Default	SYSDATE

Attribute Properties

Constraint NotNull Name	SYS_C0066548
----------------------------	--------------

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.TRIP_ACTIVITY
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0066547
----------------------------	--------------

Attribute 'PORT_AGENT_ID'

Caption	PORT_AGENT_ID
Entity Name	SRH.TRIP_ACTIVITY
Primary Key	NO
Foreign Key	YES
	Parent Entity
	SRH.PORT_AGENT
Data Type	Number
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0066556
----------------------------	--------------

Comments

Port agent recording the trip activity

"ERD", page 162

Attributes

Attribute 'REASON_NO_HAR_COMMENT'

Caption	REASON_NO_HAR_COMMENT		
Entity Name	SRH.TRIP_ACTIVITY		
Primary Key	NO		
Foreign Key	NO		
Data Type	Varchar2(120)		
Not Null	NO		
Unique	NO		

Comments

Comment why no activity report for this vessel on this day

Attribute 'REASON_NO_HAR_ID'

Caption	REASON_NO_HAR_ID		
Entity Name	SRH.TRIP_ACTIVITY		
Primary Key	NO		
Foreign Key	YES	Parent Entity	SRH.REASON_NO_HAR
Data Type	Number		
Not Null	NO		
Unique	NO		

Comments

FK to Reason Table -- Reason why the interview/sample didn't happen

Attribute 'REASON_NO_SAMPLE_COMMENT'

Caption	REASON_NO_SAMPLE_COMMENT		
Entity Name	SRH.TRIP_ACTIVITY		
Primary Key	NO		
Foreign Key	NO		
Data Type	Varchar2(120)		
Not Null	NO		
Unique	NO		

Comments

No Used - to be removed

Attribute 'REASON_NO_SAMPLE_ID'

Caption	REASON_NO_SAMPLE_ID		
Entity Name	SRH.TRIP_ACTIVITY		
Primary Key	NO		
Foreign Key	NO		
Data Type	Number		
Not Null	NO		
Unique	NO		

"ERD", page 163

Attributes

Comments

No Used - to be removed

Attribute 'TRIP_ACTIVITY_DATE'

Caption	TRIP_ACTIVITY_DATE
Entity Name	SRH.TRIP_ACTIVITY
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO
Default	SYSDATE

Attribute Properties

Constraint NotNull Name	SYS_C0066546
----------------------------	--------------

Comments

Date of Trip Summary Log

Attribute 'TRIP_ACTIVITY_ID'

Caption	TRIP_ACTIVITY_ID
Entity Name	SRH.TRIP_ACTIVITY
Primary Key	YES
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0066545
----------------------------	--------------

Comments

PK Sequence

Attribute 'TRIP_SAMPLE_ID'

Caption	TRIP_SAMPLE_ID
Entity Name	SRH.TRIP_ACTIVITY
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

"ERD", page 164

Attributes

Comments

No Used - to be removed

Attribute 'TRIP_TYPE_ID'

Caption	TRIP_TYPE_ID		
Entity Name	SRH.TRIP_ACTIVITY		
Primary Key	NO		
Foreign Key	YES	Parent Entity	SRH.TRIP_TYPE
Data Type	Number(3,0)		
Not Null	NO		
Unique	NO		

Comments

FK trip_types

Attribute 'VESSEL_ID'

Caption	VESSEL_ID		
Entity Name	SRH.TRIP_ACTIVITY		
Primary Key	NO		
Foreign Key	YES	Parent Entity	SRH.VESSEL
Data Type	Number		
Not Null	YES		
Unique	NO		

Attribute Properties

Constraint NotNull Name	SYS_C0071981
----------------------------	--------------

Comments

Vessel associated with the trip activity report

Attribute 'VESSEL_TRIP_NUM'

Caption	VESSEL_TRIP_NUM		
Entity Name	SRH.TRIP_ACTIVITY		
Primary Key	NO		
Foreign Key	NO		
Data Type	Number(1,0)		
Not Null	NO		
Unique	NO		

Comments

No Used - to be removed

"ERD", page 165

Attributes

Attribute 'VESSEL_TRIP_ORDER'

Caption	VESSEL_TRIP_ORDER
Entity Name	SRH.TRIP_ACTIVITY
Primary Key	NO
Foreign Key	NO
Data Type	Number(2,0)
Not Null	NO
Unique	NO

Comments

No Used - to be removed

Attribute 'ANGLER_CNT'

Caption	ANGLER_CNT
Entity Name	SRH.TRIP_ASSIGNMENT_SUM
Primary Key	NO
Foreign Key	NO
Data Type	Number(3,0)
Not Null	NO
Unique	NO

Comments

An observed count of the number of anglers on a fishing trip.

Attribute 'ASSG_PORT_ORDER'

Caption	ASSG_PORT_ORDER
Entity Name	SRH.TRIP_ASSIGNMENT_SUM
Primary Key	NO
Foreign Key	NO
Data Type	Number(2,0)
Not Null	NO
Unique	NO

Comments

Order of the ports on the assignment

Attribute 'EXP_ARRIVAL_TIME'

Caption	EXP_ARRIVAL_TIME
Entity Name	SRH.TRIP_ASSIGNMENT_SUM
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	NO
Unique	NO
Default	SYSDATE

"ERD", page 166

Attributes

Comments

Expected Arrival Time

Attribute 'LU'

Caption	LU
Entity Name	SRH.TRIP_ASSIGNMENT_SUM
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO
Default	SYSDATE

Attribute Properties

Constraint NotNull Name	SYS_C0064616
----------------------------	--------------

Comments

Last updated

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.TRIP_ASSIGNMENT_SUM
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064615
----------------------------	--------------

Comments

Last update user

Attribute 'TRIP_ASSIGNMENT_SUM_ID'

Caption	TRIP_ASSIGNMENT_SUM_ID
Entity Name	SRH.TRIP_ASSIGNMENT_SUM
Primary Key	YES
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	NO

"ERD", page 167

Attributes

Attribute Properties

Constraint NotNull Name	SYS_C0064613
----------------------------	--------------

Comments

PK Sequence

Attribute 'TRIP_DATE'

Caption	TRIP_DATE
Entity Name	SRH.TRIP_ASSIGNMENT_SUM
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	NO
Unique	NO
Default	SYSDATE

Comments

Date of Trip

Attribute 'TRIP_SAMPLE_ID'

Caption	TRIP_SAMPLE_ID
Entity Name	SRH.TRIP_ASSIGNMENT_SUM
Primary Key	NO
Foreign Key	YES
	Parent Entity
	SRH.TRIP_SAMPLE
Data Type	Number
Not Null	NO
Unique	NO

Comments

FK to Trip_sample. This is the link between the port agent activities (completed assignments to take samples) and the measuring board data.

Attribute 'TRIP_SCHEDULE_ID'

Caption	TRIP_SCHEDULE_ID
Entity Name	SRH.TRIP_ASSIGNMENT_SUM
Primary Key	NO
Foreign Key	YES
	Parent Entity
	SRH.TRIP_SCHEDULE
Data Type	Number
Not Null	NO
Unique	NO

Comments

FK trip schedule ID

"ERD", page 168

Attributes

Attribute 'TRIP_TYPE_ID'

Caption	TRIP_TYPE_ID		
Entity Name	SRH.TRIP_ASSIGNMENT_SUM		
Primary Key	NO		
Foreign Key	YES	Parent Entity	SRH.TRIP_TYPE
Data Type	Number(3,0)		
Not Null	NO		
Unique	NO		

Comments

FK trip_types

Attribute 'VESSEL_ID'

Caption	VESSEL_ID		
Entity Name	SRH.TRIP_ASSIGNMENT_SUM		
Primary Key	NO		
Foreign Key	YES	Parent Entity	SRH.VESSEL
Data Type	Number		
Not Null	NO		
Unique	NO		

Comments

FK to vessel

Attribute 'VESSEL_TRIP_NUM'

Caption	VESSEL_TRIP_NUM		
Entity Name	SRH.TRIP_ASSIGNMENT_SUM		
Primary Key	NO		
Foreign Key	NO		
Data Type	Number(1,0)		
Not Null	NO		
Unique	NO		

Comments

Number of the trip for the vessel in the same day

Attribute 'VESSEL_TRIP_ORDER'

Caption	VESSEL_TRIP_ORDER		
Entity Name	SRH.TRIP_ASSIGNMENT_SUM		
Primary Key	NO		
Foreign Key	NO		
Data Type	Number(2,0)		
Not Null	NO		
Unique	NO		

"ERD", page 169

Attributes

Comments

Alphabetical order according to port name and expected arrival time

Attribute 'FORK_LENGTH'

Caption	FORK_LENGTH
Entity Name	SRH.TRIP_HIST_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Number(10,0)
Not Null	NO
Unique	NO

Attribute 'GONAD_SAMPLE'

Caption	GONAD_SAMPLE
Entity Name	SRH.TRIP_HIST_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Number(1,0)
Not Null	NO
Unique	NO

Attribute 'OTOLITHS_SAMPLE'

Caption	OTOLITHS_SAMPLE
Entity Name	SRH.TRIP_HIST_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Number(1,0)
Not Null	NO
Unique	NO

Attribute 'PORT_AGENT_ID'

Caption	PORT_AGENT_ID
Entity Name	SRH.TRIP_HIST_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

"ERD", page 170

Attributes

Attribute 'SCALES_SAMPLE'

Caption	SCALES_SAMPLE
Entity Name	SRH.TRIP_HIST_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Number(1,0)
Not Null	NO
Unique	NO

Attribute 'SEX_CODE'

Caption	SEX_CODE
Entity Name	SRH.TRIP_HIST_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(1)
Not Null	NO
Unique	NO

Attribute 'SPECIES_CODE'

Caption	SPECIES_CODE
Entity Name	SRH.TRIP_HIST_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(10)
Not Null	NO
Unique	NO

Attribute 'SPINES_SAMPLE'

Caption	SPINES_SAMPLE
Entity Name	SRH.TRIP_HIST_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Number(1,0)
Not Null	NO
Unique	NO

Attribute 'STOMACH_SAMPLE'

Caption	STOMACH_SAMPLE
Entity Name	SRH.TRIP_HIST_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Number(1,0)
Not Null	NO
Unique	NO

"ERD", page 171

Attributes

Attribute 'TOTAL_LENGTH'

Caption	TOTAL_LENGTH
Entity Name	SRH.TRIP_HIST_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Number(10,0)
Not Null	NO
Unique	NO

Attribute 'TRIP_AREA_CD'

Caption	TRIP_AREA_CD
Entity Name	SRH.TRIP_HIST_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(5)
Not Null	NO
Unique	NO

Attribute 'TRIP_COLLECTION_NUM'

Caption	TRIP_COLLECTION_NUM
Entity Name	SRH.TRIP_HIST_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(10)
Not Null	NO
Unique	NO

Attribute 'TRIP_DATE'

Caption	TRIP_DATE
Entity Name	SRH.TRIP_HIST_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	NO
Unique	NO

Attribute 'TRIP_DAY'

Caption	TRIP_DAY
Entity Name	SRH.TRIP_HIST_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

"ERD", page 172

Attributes

Attribute 'TRIP_HIST_DETAIL_ID'

Caption	TRIP_HIST_DETAIL_ID
Entity Name	SRH.TRIP_HIST_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'TRIP_MONTH'

Caption	TRIP_MONTH
Entity Name	SRH.TRIP_HIST_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'TRIP_SAMPLE_SEQ'

Caption	TRIP_SAMPLE_SEQ
Entity Name	SRH.TRIP_HIST_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'TRIP_VESSEL_ID'

Caption	TRIP_VESSEL_ID
Entity Name	SRH.TRIP_HIST_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'TRIP_VESSEL_TYPE'

Caption	TRIP_VESSEL_TYPE
Entity Name	SRH.TRIP_HIST_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

"ERD", page 173

Attributes

Attribute 'TRIP_YEAR'

Caption	TRIP_YEAR
Entity Name	SRH.TRIP_HIST_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'WEIGHT'

Caption	WEIGHT
Entity Name	SRH.TRIP_HIST_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Number(10,2)
Not Null	NO
Unique	NO

Attribute 'FORK_LENGTH'

Caption	FORK_LENGTH
Entity Name	SRH.TRIP_HISTORICAL
Primary Key	NO
Foreign Key	NO
Data Type	Number(10,0)
Not Null	NO
Unique	NO

Attribute 'GONAD_SAMPLE'

Caption	GONAD_SAMPLE
Entity Name	SRH.TRIP_HISTORICAL
Primary Key	NO
Foreign Key	NO
Data Type	Number(1,0)
Not Null	NO
Unique	NO

Attribute 'OTOLITHS_SAMPLE'

Caption	OTOLITHS_SAMPLE
Entity Name	SRH.TRIP_HISTORICAL
Primary Key	NO
Foreign Key	NO
Data Type	Number(1,0)
Not Null	NO
Unique	NO

"ERD", page 174

Attributes

Attribute 'SCALES_SAMPLE'

Caption	SCALES_SAMPLE
Entity Name	SRH.TRIP_HISTORICAL
Primary Key	NO
Foreign Key	NO
Data Type	Number(1,0)
Not Null	NO
Unique	NO

Attribute 'SEX_CODE'

Caption	SEX_CODE
Entity Name	SRH.TRIP_HISTORICAL
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(1)
Not Null	NO
Unique	NO

Attribute 'SPECIES_CODE'

Caption	SPECIES_CODE
Entity Name	SRH.TRIP_HISTORICAL
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(10)
Not Null	NO
Unique	NO

Attribute 'SPINES_SAMPLE'

Caption	SPINES_SAMPLE
Entity Name	SRH.TRIP_HISTORICAL
Primary Key	NO
Foreign Key	NO
Data Type	Number(1,0)
Not Null	NO
Unique	NO

Attribute 'STOMACH_SAMPLE'

Caption	STOMACH_SAMPLE
Entity Name	SRH.TRIP_HISTORICAL
Primary Key	NO
Foreign Key	NO
Data Type	Number(1,0)
Not Null	NO
Unique	NO

"ERD", page 175

Attributes

Attribute 'TOTAL_LENGTH'

Caption	TOTAL_LENGTH
Entity Name	SRH.TRIP_HISTORICAL
Primary Key	NO
Foreign Key	NO
Data Type	Number(10,0)
Not Null	NO
Unique	NO

Attribute 'TRIP_AREA_CD'

Caption	TRIP_AREA_CD
Entity Name	SRH.TRIP_HISTORICAL
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(5)
Not Null	NO
Unique	NO

Attribute 'TRIP_COLLECTION_NUM'

Caption	TRIP_COLLECTION_NUM
Entity Name	SRH.TRIP_HISTORICAL
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(10)
Not Null	NO
Unique	NO

Attribute 'TRIP_DATE'

Caption	TRIP_DATE
Entity Name	SRH.TRIP_HISTORICAL
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	NO
Unique	NO

Attribute 'TRIP_DAY'

Caption	TRIP_DAY
Entity Name	SRH.TRIP_HISTORICAL
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

"ERD", page 176

Attributes

Attribute 'TRIP_MONTH'

Caption	TRIP_MONTH
Entity Name	SRH.TRIP_HISTORICAL
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'TRIP_SAMPLE_SEQ'

Caption	TRIP_SAMPLE_SEQ
Entity Name	SRH.TRIP_HISTORICAL
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'TRIP_VESSEL_ID'

Caption	TRIP_VESSEL_ID
Entity Name	SRH.TRIP_HISTORICAL
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'TRIP_VESSEL_TYPE'

Caption	TRIP_VESSEL_TYPE
Entity Name	SRH.TRIP_HISTORICAL
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'TRIP_YEAR'

Caption	TRIP_YEAR
Entity Name	SRH.TRIP_HISTORICAL
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

"ERD", page 177

Attributes

Attribute 'WEIGHT'

Caption	WEIGHT		
Entity Name	SRH.TRIP_HISTORICAL		
Primary Key	NO		
Foreign Key	NO		
Data Type	Number(10,2)		
Not Null	NO		
Unique	NO		

Attribute 'AREA_ID'

Caption	AREA_ID		
Entity Name	SRH.TRIP_SAMPLE		
Primary Key	NO		
Foreign Key	YES	Parent Entity	SRH.AREA
Data Type	Number		
Not Null	YES		
Unique	NO		

Comments

Area code for the trip

Attribute 'BATCH_ID'

Caption	BATCH_ID		
Entity Name	SRH.TRIP_SAMPLE		
Primary Key	NO		
Foreign Key	YES	Parent Entity	SRH.BATCH
Data Type	Number(10,0)		
Not Null	YES		
Unique	NO		

Attribute Properties

Constraint NotNull Name	SYS_C0064822
----------------------------	--------------

Comments

Batch ID used to load the data

"ERD", page 178

Attributes

Attribute 'LU'

Caption	LU
Entity Name	SRH.TRIP_SAMPLE
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO
Default	SYSDATE

Attribute Properties

Constraint NotNull Name	SYS_C0064826
----------------------------	--------------

Comments

Last Updated

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.TRIP_SAMPLE
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064825
----------------------------	--------------

Comments

Last Updated by User Code

Attribute 'PORT_AGENT_ID'

Caption	PORT_AGENT_ID	
Entity Name	SRH.TRIP_SAMPLE	
Primary Key	NO	
Foreign Key	YES	Parent Entity
Data Type	Number	
Not Null	YES	
Unique	NO	

Comments

PK SRH sequence

"ERD", page 179

Attributes

Attribute 'TRIP_COLLECTION_NUM'

Caption	TRIP_COLLECTION_NUM
Entity Name	SRH.TRIP_SAMPLE
Primary Key	NO
Foreign Key	NO
Data Type	Number(10,0)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064823
----------------------------	--------------

Comments

SRHS Collection Number

Attribute 'TRIP_DATE'

Caption	TRIP_DATE
Entity Name	SRH.TRIP_SAMPLE
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO
Default	SYSDATE

Attribute Properties

Constraint NotNull Name	SYS_C0064824
----------------------------	--------------

Comments

Trip Date

Attribute 'TRIP_SAMPLE_ID'

Caption	TRIP_SAMPLE_ID
Entity Name	SRH.TRIP_SAMPLE
Primary Key	YES
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064821
----------------------------	--------------

"ERD", page 180

Attributes

Comments

PK Sequence

Attribute 'VESSEL_ID'

Caption	VESSEL_ID		
Entity Name	SRH.TRIP_SAMPLE		
Primary Key	NO		
Foreign Key	YES	Parent Entity	SRH.VESSEL
Data Type	Number		
Not Null	NO		
Unique	NO		

Comments

FK Vessel

Attribute 'VESSEL_TYPE_ID'

Caption	VESSEL_TYPE_ID		
Entity Name	SRH.TRIP_SAMPLE		
Primary Key	NO		
Foreign Key	YES	Parent Entity	VESSEL_TYPE
Data Type	Char(20)		
Not Null	YES		
Unique	NO		

Comments

Vessel Type for this trip

Attribute 'FORK_LENGTH'

Caption	FORK_LENGTH		
Entity Name	SRH.TRIP_SAMPLE_DETAIL		
Primary Key	NO		
Foreign Key	NO		
Data Type	Number(10,0)		
Not Null	NO		
Unique	NO		

Comments

Fork Length

"ERD", page 181

Attributes

Attribute 'GONAD_SAMPLE'

Caption	GONAD_SAMPLE
Entity Name	SRH.TRIP_SAMPLE_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Number(1,0)
Not Null	NO
Unique	NO

Comments

Gonads taken

Attribute 'LU'

Caption	LU
Entity Name	SRH.TRIP_SAMPLE_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO
Default	SYSDATE

Attribute Properties

Constraint NotNull Name	SYS_C0064839
----------------------------	--------------

Comments

Last Updated

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.TRIP_SAMPLE_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064838
----------------------------	--------------

Comments

Last Updated by User

"ERD", page 182

Attributes

Attribute 'OTOLITHS_SAMPLE'

Caption	OTOLITHS_SAMPLE
Entity Name	SRH.TRIP_SAMPLE_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Number(1,0)
Not Null	NO
Unique	NO

Comments

Otholiths taken

Attribute 'SCALES_SAMPLE'

Caption	SCALES_SAMPLE
Entity Name	SRH.TRIP_SAMPLE_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Number(1,0)
Not Null	NO
Unique	NO

Comments

scales taken 1 Yes, 0 No

Attribute 'SEX_CODE'

Caption	SEX_CODE
Entity Name	SRH.TRIP_SAMPLE_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(1)
Not Null	NO
Unique	NO

Comments

Sex Code 'M' 'F'

Attribute 'SPECIES_ID'

Caption	SPECIES_ID	
Entity Name	SRH.TRIP_SAMPLE_DETAIL	
Primary Key	NO	
Foreign Key	YES	Parent Entity
Data Type	Number	
Not Null	NO	
Unique	NO	

"ERD", page 183

Attributes

Comments

FK to species

Attribute 'SPINES_SAMPLE'

Caption	SPINES_SAMPLE
Entity Name	SRH.TRIP_SAMPLE_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Number(1,0)
Not Null	NO
Unique	NO

Comments

Spines taken

Attribute 'STOMACH_SAMPLE'

Caption	STOMACH_SAMPLE
Entity Name	SRH.TRIP_SAMPLE_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Number(1,0)
Not Null	NO
Unique	NO

Comments

Stomachs taken

Attribute 'TOTAL_LENGTH'

Caption	TOTAL_LENGTH
Entity Name	SRH.TRIP_SAMPLE_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Number(10,0)
Not Null	NO
Unique	NO

Comments

Total Length

"ERD", page 184

Attributes

Attribute 'TRIP_SAMPLE_DETAIL_ID'

Caption	TRIP_SAMPLE_DETAIL_ID
Entity Name	SRH.TRIP_SAMPLE_DETAIL
Primary Key	YES
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064835
----------------------------	--------------

Comments

PK Sequence

Attribute 'TRIP_SAMPLE_ID'

Caption	TRIP_SAMPLE_ID
Entity Name	SRH.TRIP_SAMPLE_DETAIL
Primary Key	NO
Foreign Key	YES
Data Type	Number
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064836
----------------------------	--------------

Comments

FK to TRIP_SAMPLE

Attribute 'TRIP_SAMPLE_SEQ'

Caption	TRIP_SAMPLE_SEQ
Entity Name	SRH.TRIP_SAMPLE_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Number(3,0)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064837
----------------------------	--------------

"ERD", page 185

Attributes

Comments

Board sample sequence

Attribute 'WEIGHT'

Caption	WEIGHT
Entity Name	SRH.TRIP_SAMPLE_DETAIL
Primary Key	NO
Foreign Key	NO
Data Type	Number(10,2)
Not Null	NO
Unique	NO

Comments

Weight

Attribute 'AGENT_NAME'

Caption	AGENT_NAME
Entity Name	SRH.TRIP_SAMPLE_PA
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Attribute 'DATE_COLL'

Caption	DATE_COLL
Entity Name	SRH.TRIP_SAMPLE_PA
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(10)
Not Null	NO
Unique	NO

Attribute 'PORT_AGENT_ID'

Caption	PORT_AGENT_ID
Entity Name	SRH.TRIP_SAMPLE_PA
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

"ERD", page 186

Attributes

Attribute 'REGION'

Caption	REGION
Entity Name	SRH.TRIP_SAMPLE_PA
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(6)
Not Null	NO
Unique	NO

Attribute 'TRIP_DATE'

Caption	TRIP_DATE
Entity Name	SRH.TRIP_SAMPLE_PA
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0072329
----------------------------	--------------

Attribute 'TRIP_SAMPLE_ID'

Caption	TRIP_SAMPLE_ID
Entity Name	SRH.TRIP_SAMPLE_PA
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0072328
----------------------------	--------------

Attribute 'BATCH_ID'

Caption	BATCH_ID	
Entity Name	SRH.TRIP_SCHEDULE	
Primary Key	NO	
Foreign Key	YES	Parent Entity
Data Type	Number(10,0)	SRH.BATCH
Not Null	YES	
Unique	NO	

"ERD", page 187

Attributes

Attribute Properties

Constraint NotNull Name	SYS_C0064605
------------------------------------	--------------

Attribute 'CLUSTER_ID'

Caption	CLUSTER_ID
Entity Name	SRH.TRIP_SCHEDULE
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064608
------------------------------------	--------------

Comments

FK SRH Cluster ID. A cluster is a group of ports which the port agent is asked to visit in their assignment schedule.

Attribute 'LU'

Caption	LU
Entity Name	SRH.TRIP_SCHEDULE
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	NO
Unique	NO
Default	SYSDATE

Comments

Last update date

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.TRIP_SCHEDULE
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Comments

Last Updated by User ID

"ERD", page 188

Attributes

Attribute 'PORT_AGENT_ID'

Caption	PORT_AGENT_ID		
Entity Name	SRH.TRIP_SCHEDULE		
Primary Key	NO		
Foreign Key	YES	Parent Entity	SRH.PORT_AGENT
Data Type	Number		
Not Null	YES		
Unique	NO		

Attribute Properties

Constraint NotNull Name	SYS_C0064606
----------------------------	--------------

Comments

FK SRH Port Agent ID

Attribute 'PORT_ID'

Caption	PORT_ID		
Entity Name	SRH.TRIP_SCHEDULE		
Primary Key	NO		
Foreign Key	YES	Parent Entity	SRH.PORT
Data Type	Number		
Not Null	NO		
Unique	NO		

Attribute 'TRIP_SCHEDULE_DATE'

Caption	TRIP_SCHEDULE_DATE		
Entity Name	SRH.TRIP_SCHEDULE		
Primary Key	NO		
Foreign Key	NO		
Data Type	Date		
Not Null	YES		
Unique	NO		

Attribute Properties

Constraint NotNull Name	SYS_C0064607
----------------------------	--------------

Comments

Date of trip schedule assignment

"ERD", page 189

Attributes

Attribute 'TRIP_SCHEDULE_ID'

Caption	TRIP_SCHEDULE_ID
Entity Name	SRH.TRIP_SCHEDULE
Primary Key	YES
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064604
----------------------------	--------------

Comments

PK for TRIP_SCHEDULE

Attribute 'ANGLER_HRS_CONVERSION'

Caption	ANGLER_HRS_CONVERSION
Entity Name	SRH.TRIP_TYPE
Primary Key	NO
Foreign Key	NO
Data Type	Number(4,1)
Not Null	NO
Unique	NO

Comments

Conversion to Full day

Attribute 'ANGLER_HRS_MAX'

Caption	ANGLER_HRS_MAX
Entity Name	SRH.TRIP_TYPE
Primary Key	NO
Foreign Key	NO
Data Type	Number(3,0)
Not Null	NO
Unique	NO

Comments

Maximum range in hours for type

"ERD", page 190

Attributes

Attribute 'ANGLER_HRS_MIN'

Caption	ANGLER_HRS_MIN
Entity Name	SRH.TRIP_TYPE
Primary Key	NO
Foreign Key	NO
Data Type	Number(3,0)
Not Null	NO
Unique	NO

Comments

Minimum range in hours for type

Attribute 'IS_RARE_EVENT'

Caption	IS_RARE_EVENT
Entity Name	SRH.TRIP_TYPE
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(1)
Not Null	NO
Unique	NO

Comments

Y for Rare event

Attribute 'LU'

Caption	LU
Entity Name	SRH.TRIP_TYPE
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO

Comments

Last Update (Date)

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.TRIP_TYPE
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	NO

"ERD", page 191

Attributes

Comments

Last Update User

Attribute 'TRIP_TYPE_DESC'

Caption	TRIP_TYPE_DESC
Entity Name	SRH.TRIP_TYPE
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(240)
Not Null	NO
Unique	NO

Comments

Trip Type Description

Attribute 'TRIP_TYPE_ID'

Caption	TRIP_TYPE_ID
Entity Name	SRH.TRIP_TYPE
Primary Key	YES
Foreign Key	NO
Data Type	Number(3,0)
Not Null	NO
Unique	NO

Comments

PK Sequence. Numeric SRHS code

Attribute 'TRIP_TYPE_NAME'

Caption	TRIP_TYPE_NAME
Entity Name	SRH.TRIP_TYPE
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(60)
Not Null	YES
Unique	YES

Comments

Trip Type Name

"ERD", page 192

Attributes

Attribute 'TRIP_TYPE_NUM'

Caption	TRIP_TYPE_NUM	
Entity Name	SRH.TRIP_TYPE	
Primary Key	NO	
Foreign Key	NO	
Data Type	Number(6,0)	
Not Null	YES	
Unique	YES	

Comments

Trip Type Number know by users

Attribute 'AREA_ID'

Caption	AREA_ID	
Entity Name	SRH.VESSEL	
Primary Key	NO	
Foreign Key	YES	Parent Entity SRH.AREA
Data Type	Number	
Not Null	NO	
Unique	NO	

Comments

FK vessel Default fishing area. This value can be used when no Let/Lon reported.

Attribute 'COMMENTS'

Caption	COMMENTS	
Entity Name	SRH.VESSEL	
Primary Key	NO	
Foreign Key	NO	
Data Type	Varchar2(512)	
Not Null	NO	
Unique	NO	

Comments

User comments on the vessel

Attribute 'INACTIVE_END_DATE'

Caption	INACTIVE_END_DATE	
Entity Name	SRH.VESSEL	
Primary Key	NO	
Foreign Key	NO	
Data Type	Date	
Not Null	NO	
Unique	NO	

"ERD", page 193

Attributes

Comments

Records an end date for a vessel's inactivity (finished getting painted/back out of the shop)

Attribute 'INACTIVE_REASON'

Caption	INACTIVE_REASON
Entity Name	SRH.VESSEL
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Attribute 'INACTIVE_START_DATE'

Caption	INACTIVE_START_DATE
Entity Name	SRH.VESSEL
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	NO
Unique	NO

Comments

Records a start date for a vessel's inactivity (getting painted/in the shop)

Attribute 'IS_COOP'

Caption	IS_COOP
Entity Name	SRH.VESSEL
Primary Key	NO
Foreign Key	NO
Data Type	Number(1,0)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064635
----------------------------	--------------

Comments

Is the vessel a coop

"ERD", page 194

Attributes

Attribute 'IS_IN_SURVEY'

Caption	IS_IN_SURVEY
Entity Name	SRH.VESSEL
Primary Key	NO
Foreign Key	NO
Data Type	Number(1,0)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064634
----------------------------	--------------

Comments

Is the vessel actively participating in the headboar survey

Attribute 'LU'

Caption	LU
Entity Name	SRH.VESSEL
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO
Default	SYSDATE

Attribute Properties

Constraint NotNull Name	SYS_C0064637
----------------------------	--------------

Comments

Last Update (Date)

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.VESSEL
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064636
----------------------------	--------------

"ERD", page 195

Attributes

Comments

Last Update User

Attribute 'PERMIT_HOLD'

Caption	PERMIT_HOLD
Entity Name	SRH.VESSEL
Primary Key	NO
Foreign Key	NO
Data Type	Number(1,0)
Not Null	YES
Unique	NO

Attribute 'PORT_ID'

Caption	PORT_ID
Entity Name	SRH.VESSEL
Primary Key	NO
Foreign Key	YES
	Parent Entity
	SRH.PORT
Data Type	Number
Not Null	NO
Unique	NO

Comments

FK port

Attribute 'REGION'

Caption	REGION
Entity Name	SRH.VESSEL
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(10)
Not Null	NO
Unique	NO

Comments

Region where the vessel fishes

Attribute 'STATE_REG_NUM'

Caption	STATE_REG_NUM
Entity Name	SRH.VESSEL
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(30)
Not Null	NO
Unique	NO

"ERD", page 196

Attributes

Comments

State registration number (should only have this when no USCG number)

Attribute 'USCG_NUM'

Caption	USCG_NUM
Entity Name	SRH.VESSEL
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(30)
Not Null	NO
Unique	NO

Comments

USCG Ofice document number

Attribute 'VESSEL_ID'

Caption	VESSEL_ID
Entity Name	SRH.VESSEL
Primary Key	YES
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064631
----------------------------	--------------

Comments

PK sequence

Attribute 'VESSEL_NAME'

Caption	VESSEL_NAME
Entity Name	SRH.VESSEL
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(62)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064632
----------------------------	--------------

Comments

Name of the vessel

"ERD", page 197

Attributes

Attribute 'VESSEL_NUM'

Caption	VESSEL_NUM
Entity Name	SRH.VESSEL
Primary Key	NO
Foreign Key	NO
Data Type	Number(5,0)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0066558
----------------------------	--------------

Comments

User assigned vessel code

Attribute 'VESSEL_TYPE_ID'

Caption	VESSEL_TYPE_ID	
Entity Name	SRH.VESSEL	
Primary Key	NO	
Foreign Key	YES	Parent Entity
Data Type	Number	
Not Null	NO	
Unique	NO	

Attribute 'WEB_URL'

Caption	WEB_URL
Entity Name	SRH.VESSEL
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(512)
Not Null	NO
Unique	NO

Comments

Vessel advertising website

Attribute 'IND_ADD_CITY'

Caption	IND_ADD_CITY
Entity Name	SRH.VESSEL_ENTITIES
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

"ERD", page 198

Attributes

Attribute 'IND_ADD_ST'

Caption	IND_ADD_ST
Entity Name	SRH.VESSEL_ENTITIES
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(2)
Not Null	NO
Unique	NO

Attribute 'IND_ADD_ST1'

Caption	IND_ADD_ST1
Entity Name	SRH.VESSEL_ENTITIES
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Attribute 'IND_ADD_ST2'

Caption	IND_ADD_ST2
Entity Name	SRH.VESSEL_ENTITIES
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Attribute 'IND_ADD_ST3'

Caption	IND_ADD_ST3
Entity Name	SRH.VESSEL_ENTITIES
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Attribute 'IND_ADD_ZIP'

Caption	IND_ADD_ZIP
Entity Name	SRH.VESSEL_ENTITIES
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(10)
Not Null	NO
Unique	NO

"ERD", page 199

Attributes

Attribute 'IND_EMAIL'

Caption	IND_EMAIL
Entity Name	SRH.VESSEL_ENTITIES
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Attribute 'IND_FIRST_NAME'

Caption	IND_FIRST_NAME
Entity Name	SRH.VESSEL_ENTITIES
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Attribute 'IND_LAST_NAME'

Caption	IND_LAST_NAME
Entity Name	SRH.VESSEL_ENTITIES
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Attribute 'IND_PHONE1'

Caption	IND_PHONE1
Entity Name	SRH.VESSEL_ENTITIES
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(20)
Not Null	NO
Unique	NO

Attribute 'IND_PHONE2'

Caption	IND_PHONE2
Entity Name	SRH.VESSEL_ENTITIES
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(20)
Not Null	NO
Unique	NO

"ERD", page 200

Attributes

Attribute 'IND_PHONE3'

Caption	IND_PHONE3
Entity Name	SRH.VESSEL_ENTITIES
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(20)
Not Null	NO
Unique	NO

Attribute 'IND_PHONE4'

Caption	IND_PHONE4
Entity Name	SRH.VESSEL_ENTITIES
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(20)
Not Null	NO
Unique	NO

Attribute 'IND_SUFFIX'

Caption	IND_SUFFIX
Entity Name	SRH.VESSEL_ENTITIES
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Attribute 'VESSEL_ID'

Caption	VESSEL_ID
Entity Name	SRH.VESSEL_ENTITIES
Primary Key	NO
Foreign Key	NO
Data Type	Number
Not Null	NO
Unique	NO

Attribute 'VESSEL_RLTN_IND'

Caption	VESSEL_RLTN_IND
Entity Name	SRH.VESSEL_ENTITIES
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(20)
Not Null	NO
Unique	NO

"ERD", page 201

Attributes

Attribute 'ENTT_ID'

Caption	ENTT_ID		
Entity Name	SRH.VESSEL_ENTT_RLTN		
Primary Key	NO		
Foreign Key	YES	Parent Entity	SRH.ENTT
Data Type	Number		
Not Null	YES		
Unique	NO		

Attribute Properties

Constraint NotNull Name	SYS_C0064650
----------------------------	--------------

Comments

FK to Entity (ENTT)

Attribute 'IS_CONTACT'

Caption	IS_CONTACT		
Entity Name	SRH.VESSEL_ENTT_RLTN		
Primary Key	NO		
Foreign Key	NO		
Data Type	Varchar2(1)		
Not Null	YES		
Unique	NO		

Attribute Properties

Constraint NotNull Name	SYS_C0064652
----------------------------	--------------

Comments

Is this person a contract for the vessel.

Attribute 'LU'

Caption	LU		
Entity Name	SRH.VESSEL_ENTT_RLTN		
Primary Key	NO		
Foreign Key	NO		
Data Type	Date		
Not Null	YES		
Unique	NO		
Default	SYSDATE		

Attribute Properties

Constraint NotNull Name	SYS_C0064654
----------------------------	--------------

"ERD", page 202

Attributes

Comments

Last Update (Date)

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.VESSEL_ENTT_RLTN
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064653
----------------------------	--------------

Comments

Last Update User

Attribute 'PERMIT_NUM'

Caption	PERMIT_NUM
Entity Name	SRH.VESSEL_ENTT_RLTN
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(60)
Not Null	NO
Unique	NO

Comments

Permit number for the person/business related to the vessel

Attribute 'PERMIT_TYPE'

Caption	PERMIT_TYPE
Entity Name	SRH.VESSEL_ENTT_RLTN
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(1)
Not Null	NO
Unique	NO

Comments

Permit type such as fed or state

"ERD", page 203

Attributes

Attribute 'RLTN_CODE'

Caption	RLTN_CODE
Entity Name	SRH.VESSEL_ENTT_RLTN
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(20)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064651
----------------------------	--------------

Comments

OWNER or CAPTAIN

Attribute 'RLTN_EXP_DT'

Caption	RLTN_EXP_DT
Entity Name	SRH.VESSEL_ENTT_RLTN
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	NO
Unique	NO

Comments

Relationship ending date

Attribute 'RLTN_EXP_REASON'

Caption	RLTN_EXP_REASON
Entity Name	SRH.VESSEL_ENTT_RLTN
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Comments

Relationship ending reason

"ERD", page 204

Attributes

Attribute 'VESSEL_ENTT_RLTN_ID'

Caption	VESSEL_ENTT_RLTN_ID
Entity Name	SRH.VESSEL_ENTT_RLTN
Primary Key	YES
Foreign Key	NO
Data Type	Char(20)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064648
----------------------------	--------------

Comments

PK sequence

Attribute 'VESSEL_ID'

Caption	VESSEL_ID		
Entity Name	SRH.VESSEL_ENTT_RLTN		
Primary Key	NO		
Foreign Key	YES	Parent Entity	SRH.VESSEL
Data Type	Number		
Not Null	YES		
Unique	NO		

Attribute Properties

Constraint NotNull Name	SYS_C0064649
----------------------------	--------------

Comments

FK to Vessel

Attribute 'LU'

Caption	LU
Entity Name	SRH.ZONE
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	NO
Unique	NO

Comments

Last Update (Date)

"ERD", page 205

Attributes

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	SRH.ZONE
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Comments

Last updated User

Attribute 'ZONE_CODE'

Caption	ZONE_CODE
Entity Name	SRH.ZONE
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(10)
Not Null	YES
Unique	YES

Comments

Group of areas for assignments

Attribute 'ZONE_ID'

Caption	ZONE_ID
Entity Name	SRH.ZONE
Primary Key	YES
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	NO

Attribute 'ZONE_NAME'

Caption	ZONE_NAME
Entity Name	SRH.ZONE
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	YES

Comments

Zone Name

"ERD", page 206

Attributes

Attribute 'LU'

Caption	LU
Entity Name	VESSEL_TYPE
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	YES
Unique	NO
Default	SYSDATE

Attribute Properties

Constraint NotNull Name	SYS_C0064839
----------------------------	--------------

Comments

Last Updated

Attribute 'LU'

Caption	LU
Entity Name	VESSEL_TYPE
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	NO
Unique	NO

Comments

Last Update

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	VESSEL_TYPE
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	YES
Unique	NO

Attribute Properties

Constraint NotNull Name	SYS_C0064838
----------------------------	--------------

Comments

Last Updated by User

"ERD", page 207

Attributes

Attribute 'LU_USER_CODE'

Caption	LU_USER_CODE
Entity Name	VESSEL_TYPE
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(120)
Not Null	NO
Unique	NO

Comments

Last Update User

Attribute 'VESSEL_TYPE_ID'

Caption	VESSEL_TYPE_ID
Entity Name	VESSEL_TYPE
Primary Key	YES
Foreign Key	NO
Data Type	Char(20)
Not Null	YES
Unique	NO

Attribute 'VESSEL_TYPE_ID'

Caption	VESSEL_TYPE_ID
Entity Name	VESSEL_TYPE
Primary Key	YES
Foreign Key	NO
Data Type	Number
Not Null	YES
Unique	YES

Comments

PK for this table

Attribute 'VESSEL_TYPE_NAME'

Caption	VESSEL_TYPE_NAME
Entity Name	VESSEL_TYPE
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(60)
Not Null	YES
Unique	YES

"ERD", page 208

Attributes

Attribute 'VESSEL_TYPE_NAME'

Caption	VESSEL_TYPE_NAME
Entity Name	VESSEL_TYPE
Primary Key	NO
Foreign Key	NO
Data Type	Varchar2(60)
Not Null	YES
Unique	YES

Comments

Vessel Type Name

Attribute 'VESSEL_TYPE_NUM'

Caption	VESSEL_TYPE_NUM
Entity Name	VESSEL_TYPE
Primary Key	NO
Foreign Key	NO
Data Type	Number(6,0)
Not Null	YES
Unique	YES

Comments

Vessel Type Number known by users

"ERD", page 209

Keys

Key Report

Key Type	Key Name	Entity Name
PK	Key35	INACTIVE_LOG
PK	Key33	PORT_AGENT_PORT
PK	Key2	SRH.ANG_DAYS_ESTIMATES
AK	AREA_NAME	SRH.AREA
AK	AREA_NUM	SRH.AREA
PK	PK_AREA	SRH.AREA
PK	BATCH_BATCH_ID	SRH.BATCH
PK	PK_DIM_DAY	SRH.DIM_DAY
PK	PK_ENTT	SRH.ENTT
PK	PK_HB_R	SRH.HB_REPORT
PK	PK_HB_RD_ID	SRH.HB_REPORT_DETAIL
PK	Key8	SRH.LANDING_ESTIMATES
PK	Key9	SRH.LOAD_ANG_DAYS
PK	LOAD_BOARD_ID	SRH.LOAD_BOARD
PK	Key10	SRH.LOAD_ESTIMATES
PK	PK_SE_LB	SRH.LOAD_SE_LOGBOOK
AK	PAGE_NUM	SRH.MAINTENANCE_LIST
PK	PK_MAINTENANCE_LIST	SRH.MAINTENANCE_LIST
PK	PK_PORT_PK	SRH.PORT
AK	PORT_NUM	SRH.PORT
PK	PK_PORT_AGENT	SRH.PORT_AGENT
AK	PORT_AGENT_NUM	SRH.PORT_AGENT
PK	Key17	SRH.REASON_NO_HAR
AK	REASON_NAME	SRH.REASON_NO_HAR
PK	PK_REASON_NO_SAM	SRH.REASON_NO_SAMPLE
AK	PAGE_NUM	SRH.REPORTS
PK	PK_REPORTS_ID	SRH.REPORTS
AK	UN_RPT_NAME	SRH.REPORTS
AK	UN_RPT_PAGE_ID	SRH.REPORTS
PK	PK_TRIP_SAM_ACTIVITY	SRH.SAMPLE_ACTIVITY
PK	PK_SPECIES_PKQ	SRH.SPECIES
AK	UNK_NMQ	SRH.SPECIES
AK	UNK_NUMQ	SRH.SPECIES
PK	PK_TRIP_ACTIVITY	SRH.TRIP_ACTIVITY
AK	UK_V_TRIP_DAY	SRH.TRIP_ACTIVITY
PK	PK_TRIP_ASSIGNMENT_SUM	SRH.TRIP_ASSIGNMENT_SUM
PK	PK_TRIP_SAMPLE_	SRH.TRIP_SAMPLE
AK	TRIP_COLLECTION_NUM_	SRH.TRIP_SAMPLE
PK	PK_TRIP_SAMPLE_DETAIL2	SRH.TRIP_SAMPLE_DETAIL
PK	PK_TRIP_SCHEDULE2	SRH.TRIP_SCHEDULE
PK	PK_TRIP_TYPE	SRH.TRIP_TYPE
AK	TRIP_TYPE_NAME	SRH.TRIP_TYPE
AK	TRIP_TYPE_NM	SRH.TRIP_TYPE

"ERD", page 210

Keys

AK	TRIP_TYPE_NUM	SRH.TRIP_TYPE
PK	PK_VESSEL2	SRH.VESSEL
PK	PK_VESSEL_ENTT_RLTN2	SRH.VESSEL_ENTT_RLTN
PK	Key31	SRH.ZONE
AK	ZONE_CODE	SRH.ZONE
AK	ZONE_NAME	SRH.ZONE
PK	Key34	VESSEL_TYPE
PK	Key36	VESSEL_TYPE
AK	VESSEL_TYPE_ID	VESSEL_TYPE
AK	VESSEL_TYPE_NAME	VESSEL_TYPE
AK	VESSEL_TYPE_NAME	VESSEL_TYPE
AK	VESSEL_TYPE_NUM	VESSEL_TYPE

"ERD", page 211

Keys**Key 'Key35'**

Caption	Key35	
Key Type	Primary Key	
Entity Name	INACTIVE_LOG	
Attribute	Order	Foreign Key
INACTIVE_LOG_ID	ASC	NO

Key 'Key33'

Caption	Key33	
Key Type	Primary Key	
Entity Name	PORT_AGENT_PORT	
Attribute	Order	Foreign Key
PORT_AGENT_PORT_ID	ASC	NO

Key 'Key2'

Caption	Key2	
Key Type	Primary Key	
Entity Name	SRH.ANG_DAYS_ESTIMATES	
Attribute	Order	Foreign Key
ANG_DAYS_ESTIMATES_ID	ASC	NO

Key 'AREA_NAME'

Caption	AREA_NAME	
Key Type	Alternate Key	
Entity Name	SRH.AREA	
Attribute	Order	Foreign Key
AREA_NAME	ASC	NO

Key 'AREA_NUM'

Caption	AREA_NUM	
Key Type	Alternate Key	
Entity Name	SRH.AREA	
Attribute	Order	Foreign Key
AREA_NUM	ASC	NO

Key 'PK_AREA'

Caption	PK_AREA	
Key Type	Primary Key	
Entity Name	SRH.AREA	
Attribute	Order	Foreign Key
AREA_ID	ASC	NO

"ERD", page 212

Keys

Key 'BATCH_BATCH_ID'

Caption	BATCH_BATCH_ID	
Key Type	Primary Key	
Entity Name	SRH.BATCH	
Attribute	Order	Foreign Key
BATCH_ID	ASC	NO

Key 'PK_DIM_DAY'

Caption	PK_DIM_DAY	
Key Type	Primary Key	
Entity Name	SRH.DIM_DAY	
Attribute	Order	Foreign Key
DIM_DAY_ID	ASC	NO

Key 'PK_ENTT'

Caption	PK_ENTT	
Key Type	Primary Key	
Entity Name	SRH.ENTT	
Attribute	Order	Foreign Key
ENTT_ID	ASC	NO

Key Properties

Using Index Name	Key6	
------------------	------	--

Key 'PK_HB_R'

Caption	PK_HB_R	
Key Type	Primary Key	
Entity Name	SRH.HB_REPORT	
Attribute	Order	Foreign Key
HB_REPORT_ID	ASC	NO

Key 'PK_HB_RD_ID'

Caption	PK_HB_RD_ID	
Key Type	Primary Key	
Entity Name	SRH.HB_REPORT_DETAIL	
Attribute	Order	Foreign Key
HB_REPORT_DETAIL_ID	ASC	NO

"ERD", page 213

Keys

Key 'Key8'

Caption	Key8	
Key Type	Primary Key	
Entity Name	SRH.LANDING_ESTIMATES	
Attribute	Order	Foreign Key
LANDING_ESTIMATES_ID	ASC	NO

Key 'Key9'

Caption	Key9	
Key Type	Primary Key	
Entity Name	SRH.LOAD_ANG_DAYS	
Attribute	Order	Foreign Key
LOAD_ANGDAYS_ID	ASC	NO

Key 'LOAD_BOARD_ID'

Caption	LOAD_BOARD_ID	
Key Type	Primary Key	
Entity Name	SRH.LOAD_BOARD	
Attribute	Order	Foreign Key
LOAD_BOARD_ID	ASC	NO

Key 'Key10'

Caption	Key10	
Key Type	Primary Key	
Entity Name	SRH.LOAD_ESTIMATES	
Attribute	Order	Foreign Key
LOAD_ESTIMATES_ID	ASC	NO

Key 'PK_SE_LB'

Caption	PK_SE_LB	
Key Type	Primary Key	
Entity Name	SRH.LOAD_SE_LOGBOOK	
Attribute	Order	Foreign Key
LOAD_SE_LOGBOOK_ID	ASC	NO

Key 'PAGE_NUM'

Caption	PAGE_NUM	
Key Type	Alternate Key	
Entity Name	SRH.MAINTENANCE_LIST	
Attribute	Order	Foreign Key
PAGE_NUM	ASC	NO

"ERD", page 214

Keys

Key 'PK_MAINTENANCE_LIST'

Caption	PK_MAINTENANCE_LIST	
Key Type	Primary Key	
Entity Name	SRH.MAINTENANCE_LIST	
Attribute	Order	Foreign Key
MAINTENANCE_LIST_ID	ASC	NO

Key 'PK_PORT_PK'

Caption	PK_PORT_PK	
Key Type	Primary Key	
Entity Name	SRH.PORT	
Attribute	Order	Foreign Key
PORT_ID	ASC	NO

Key 'PORT_NUM'

Caption	PORT_NUM	
Key Type	Alternate Key	
Entity Name	SRH.PORT	
Attribute	Order	Foreign Key
PORT_NUM	ASC	NO

Key 'PK_PORT_AGENT'

Caption	PK_PORT_AGENT	
Key Type	Primary Key	
Entity Name	SRH.PORT_AGENT	
Attribute	Order	Foreign Key
PORT_AGENT_ID	ASC	NO

Key 'PORT_AGENT_NUM'

Caption	PORT_AGENT_NUM	
Key Type	Alternate Key	
Entity Name	SRH.PORT_AGENT	
Attribute	Order	Foreign Key
PORT_AGENT_NUM	ASC	NO

Key 'Key17'

Caption	Key17	
Key Type	Primary Key	
Entity Name	SRH.REASON_NO_HAR	
Attribute	Order	Foreign Key
REASON_NO_HAR_ID	ASC	NO

"ERD", page 215

Keys**Key 'REASON_NAME'**

Caption	REASON_NAME	
Key Type	Alternate Key	
Entity Name	SRH.REASON_NO_HAR	
Attribute	Order	Foreign Key
REASON_NAME	ASC	NO

Key 'PK_REASON_NO_SAM'

Caption	PK_REASON_NO_SAM	
Key Type	Primary Key	
Entity Name	SRH.REASON_NO_SAMPLE	
Attribute	Order	Foreign Key
REASON_NO_SAMPLE_ID	ASC	NO

Key 'PAGE_NUM'

Caption	PAGE_NUM	
Key Type	Alternate Key	
Entity Name	SRH.REPORTS	
Attribute	Order	Foreign Key
PAGE_NUM	ASC	NO

Key 'PK_REPORTS_ID'

Caption	PK_REPORTS_ID	
Key Type	Primary Key	
Entity Name	SRH.REPORTS	
Attribute	Order	Foreign Key
REPORTS_ID	ASC	NO

Key 'UN_RPT_NAME'

Caption	UN_RPT_NAME	
Key Type	Alternate Key	
Entity Name	SRH.REPORTS	
Attribute	Order	Foreign Key
REPORT_NM	ASC	NO

Key 'UN_RPT_PAGE_ID'

Caption	UN_RPT_PAGE_ID	
Key Type	Alternate Key	
Entity Name	SRH.REPORTS	
Attribute	Order	Foreign Key
PAGE_NUM	ASC	NO

"ERD", page 216

Keys

Key 'PK_TRIP_SAM_ACTIVITY'

Caption	PK_TRIP_SAM_ACTIVITY	
Key Type	Primary Key	
Entity Name	SRH.SAMPLE_ACTIVITY	
Attribute	Order	Foreign Key
SAMPLE_ACTIVITY_ID	ASC	NO

Key 'PK_SPECIES_PKQ'

Caption	PK_SPECIES_PKQ	
Key Type	Primary Key	
Entity Name	SRH.SPECIES	
Attribute	Order	Foreign Key
SPECIES_ID	ASC	NO

Key 'UNK_NMQ'

Caption	UNK_NMQ	
Key Type	Alternate Key	
Entity Name	SRH.SPECIES	
Attribute	Order	Foreign Key
SPECIES_NAME	ASC	NO

Key 'UNK_NUMQ'

Caption	UNK_NUMQ	
Key Type	Alternate Key	
Entity Name	SRH.SPECIES	
Attribute	Order	Foreign Key
SPECIES_NUM	ASC	NO

Key 'PK_TRIP_ACTIVITY'

Caption	PK_TRIP_ACTIVITY	
Key Type	Primary Key	
Entity Name	SRH.TRIP_ACTIVITY	
Attribute	Order	Foreign Key
TRIP_ACTIVITY_ID	ASC	NO

"ERD", page 217

Keys**Key 'UK_V_TRIP_DAY'**

Caption	UK_V_TRIP_DAY	
Key Type	Alternate Key	
Entity Name	SRH.TRIP_ACTIVITY	
Attribute	Order	Foreign Key
VESSEL_ID	ASC	YES
TRIP_TYPE_ID	ASC	YES
TRIP_ACTIVITY_DATE	ASC	NO

Key 'PK_TRIP_ASSIGNMENT_SUM'

Caption	PK_TRIP_ASSIGNMENT_SUM	
Key Type	Primary Key	
Entity Name	SRH.TRIP_ASSIGNMENT_SUM	
Attribute	Order	Foreign Key
TRIP_ASSIGNMENT_SUM_ID	ASC	NO

Key 'PK_TRIP_SAMPLE_'

Caption	PK_TRIP_SAMPLE_	
Key Type	Primary Key	
Entity Name	SRH.TRIP_SAMPLE	
Attribute	Order	Foreign Key
TRIP_SAMPLE_ID	ASC	NO

Key 'TRIP_COLLECTION_NUM_'

Caption	TRIP_COLLECTION_NUM_	
Key Type	Alternate Key	
Entity Name	SRH.TRIP_SAMPLE	
Attribute	Order	Foreign Key
TRIP_COLLECTION_NUM	ASC	NO
VESSEL_ID	ASC	YES

Key 'PK_TRIP_SAMPLE_DETAIL2'

Caption	PK_TRIP_SAMPLE_DETAIL2	
Key Type	Primary Key	
Entity Name	SRH.TRIP_SAMPLE_DETAIL	
Attribute	Order	Foreign Key
TRIP_SAMPLE_DETAIL_ID	ASC	NO

"ERD", page 218

Keys

Key 'PK_TRIP_SCHEDULE2'

Caption	PK_TRIP_SCHEDULE2	
Key Type	Primary Key	
Entity Name	SRH.TRIP_SCHEDULE	
Attribute	Order	Foreign Key
TRIP_SCHEDULE_ID	ASC	NO

Key Properties

Using Index Name	Key20
------------------	-------

Key 'PK_TRIP_TYPE'

Caption	PK_TRIP_TYPE	
Key Type	Primary Key	
Entity Name	SRH.TRIP_TYPE	
Attribute	Order	Foreign Key
TRIP_TYPE_ID	ASC	NO

Key 'TRIP_TYPE_NAME'

Caption	TRIP_TYPE_NAME	
Key Type	Alternate Key	
Entity Name	SRH.TRIP_TYPE	
Attribute	Order	Foreign Key
TRIP_TYPE_NAME	ASC	NO

Key 'TRIP_TYPE_NM'

Caption	TRIP_TYPE_NM	
Key Type	Alternate Key	
Entity Name	SRH.TRIP_TYPE	
Attribute	Order	Foreign Key
TRIP_TYPE_NAME	ASC	NO

Key 'TRIP_TYPE_NUM'

Caption	TRIP_TYPE_NUM	
Key Type	Alternate Key	
Entity Name	SRH.TRIP_TYPE	
Attribute	Order	Foreign Key
TRIP_TYPE_NUM	ASC	NO

"ERD", page 219

Keys

Key 'PK_VESSEL'

Caption	PK_VESSEL2	
Key Type	Primary Key	
Entity Name	SRH.VESSEL	
Attribute	Order	Foreign Key
VESSEL_ID	ASC	NO

Key Properties

Using Index Name	Key24
------------------	-------

Key 'PK_VESSEL_ENTT_RLTN2'

Caption	PK_VESSEL_ENTT_RLTN2	
Key Type	Primary Key	
Entity Name	SRH.VESSEL_ENTT_RLTN	
Attribute	Order	Foreign Key
VESSEL_ENTT_RLTN_ID	ASC	NO

Key Properties

Using Index Name	Key23
------------------	-------

Key 'Key31'

Caption	Key31	
Key Type	Primary Key	
Entity Name	SRH.ZONE	
Attribute	Order	Foreign Key
ZONE_ID	ASC	NO

Key 'ZONE_CODE'

Caption	ZONE_CODE	
Key Type	Alternate Key	
Entity Name	SRH.ZONE	
Attribute	Order	Foreign Key
ZONE_CODE	ASC	NO

Key 'ZONE_NAME'

Caption	ZONE_NAME	
Key Type	Alternate Key	
Entity Name	SRH.ZONE	
Attribute	Order	Foreign Key
ZONE_NAME	ASC	NO

"ERD", page 220

Keys

Key 'Key34'

Caption	Key34	
Key Type	Primary Key	
Entity Name	VESSEL_TYPE	
Attribute	Order	Foreign Key
VESSEL_TYPE_ID	ASC	NO

Key 'Key36'

Caption	Key36	
Key Type	Primary Key	
Entity Name	VESSEL_TYPE	
Attribute	Order	Foreign Key
VESSEL_TYPE_ID	ASC	NO

Key 'VESSEL_TYPE_ID'

Caption	VESSEL_TYPE_ID	
Key Type	Alternate Key	
Entity Name	VESSEL_TYPE	
Attribute	Order	Foreign Key
VESSEL_TYPE_ID	ASC	NO

Key 'VESSEL_TYPE_NAME'

Caption	VESSEL_TYPE_NAME	
Key Type	Alternate Key	
Entity Name	VESSEL_TYPE	
Attribute	Order	Foreign Key
VESSEL_TYPE_NAME	ASC	NO

Key 'VESSEL_TYPE_NAME'

Caption	VESSEL_TYPE_NAME	
Key Type	Alternate Key	
Entity Name	VESSEL_TYPE	
Attribute	Order	Foreign Key
VESSEL_TYPE_NAME	ASC	NO

Key 'VESSEL_TYPE_NUM'

Caption	VESSEL_TYPE_NUM	
Key Type	Alternate Key	
Entity Name	VESSEL_TYPE	
Attribute	Order	Foreign Key
VESSEL_TYPE_NUM	ASC	NO

"ERD", page 221

Indexes

Index Report

Index Name	Unique	Entity Name
Key6	YES	SRH.ENTT
IX_RELATIONSHIP1	NO	SRH.LOAD_BOARD
NX_PORT_AGENT_NAME	NO	SRH.PORT_AGENT
IX_RELATIONSHIP34	NO	SRH.PORT_AGENT_AREA
IX_RELATIONSHIP35	NO	SRH.PORT_AGENT_AREA
NX_COLL_END	NO	SRH.TEMP_COLL_HIS
NX_COLL_START	NO	SRH.TEMP_COLL_HIS
IX_RELATIONSHIP23	NO	SRH.TRIP_ACTIVITY
IX_RELATIONSHIP42	NO	SRH.TRIP_ACTIVITY
UK_TRIP_SAMPLE_ID	YES	SRH.TRIP_ACTIVITY
IX_RELATIONSHIP19	NO	SRH.TRIP_ASSIGNMENT_SUM
IX_RELATIONSHIP6	NO	SRH.TRIP_ASSIGNMENT_SUM
IX_RELATIONSHIP7	NO	SRH.TRIP_ASSIGNMENT_SUM
IX_RELATIONSHIP8	NO	SRH.TRIP_ASSIGNMENT_SUM
IX_RELATIONSHIP9	NO	SRH.TRIP_ASSIGNMENT_SUM
IX_RELATIONSHIP002	NO	SRH.TRIP_SAMPLE
IX_RELATIONSHIP20	NO	SRH.TRIP_SAMPLE
IX_RELATIONSHIP21	NO	SRH.TRIP_SAMPLE
IX_RELATIONSHIP25	NO	SRH.TRIP_SAMPLE
IX_RELATIONSHIP15	NO	SRH.TRIP_SAMPLE_DETAIL
IX_RELATIONSHIP312	NO	SRH.TRIP_SAMPLE_DETAIL
IX_RELATIONSHIP10	NO	SRH.TRIP_SCHEDULE
IX_RELATIONSHIP14	NO	SRH.TRIP_SCHEDULE
IX_RELATIONSHIP18	NO	SRH.TRIP_SCHEDULE
IX_RELATIONSHIP5	NO	SRH.TRIP_SCHEDULE
Key20	YES	SRH.TRIP_SCHEDULE
IX_RELATIONSHIP16	NO	SRH.VESSEL
IX_RELATIONSHIP17	NO	SRH.VESSEL
IX_RELATIONSHIP22	NO	SRH.VESSEL
Key24	YES	SRH.VESSEL
IX_RELATIONSHIP12	NO	SRH.VESSEL_ENTT_RLTN
IX_RELATIONSHIP13	NO	SRH.VESSEL_ENTT_RLTN
Key23	YES	SRH.VESSEL_ENTT_RLTN

"ERD", page 222

Indexes

Index 'SRH.Key6'

Caption	Key6		
Entity Name	SRH.ENTT		
Unique	YES		
Attribute	Order	Primary Key	Foreign Key
ENTT_ID	ASC	YES	NO

Index 'SRH.IX_RELATIONSHIP1'

Caption	IX_RELATIONSHIP1		
Entity Name	SRH.LOAD_BOARD		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key
BATCH_ID	ASC	NO	YES

Index 'SRH.NX_PORT_AGENT_NAME'

Caption	NX_PORT_AGENT_NAME		
Entity Name	SRH.PORT_AGENT		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key
PORT_AGENT_NAME	ASC	NO	NO

Index 'SRH.IX_RELATIONSHIP34'

Caption	IX_RELATIONSHIP34		
Entity Name	SRH.PORT_AGENT_AREA		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key
AREA_ID	ASC	NO	YES

Index 'SRH.IX_RELATIONSHIP35'

Caption	IX_RELATIONSHIP35		
Entity Name	SRH.PORT_AGENT_AREA		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key
PORT_AGENT_ID	ASC	NO	YES

Index 'SRH.NX_COLL_END'

Caption	NX_COLL_END		
Entity Name	SRH.TEMP_COLL_HIS		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key
END_COLL	ASC	NO	NO

"ERD", page 223

Indexes

Index 'SRH.NX_COLL_START'

Caption	NX_COLL_START		
Entity Name	SRH.TEMP_COLL_HIS		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key
START_COLL	ASC	NO	NO

Index 'SRH.IX_RELATIONSHIP23'

Caption	IX_RELATIONSHIP23		
Entity Name	SRH.TRIP_ACTIVITY		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key
PORT_AGENT_ID	ASC	NO	YES

Index 'SRH.IX_RELATIONSHIP42'

Caption	IX_RELATIONSHIP42		
Entity Name	SRH.TRIP_ACTIVITY		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key

Index 'SRH.UK_TRIP_SAMPLE_ID'

Caption	UK_TRIP_SAMPLE_ID		
Entity Name	SRH.TRIP_ACTIVITY		
Unique	YES		
Attribute	Order	Primary Key	Foreign Key
TRIP_SAMPLE_ID	ASC	NO	NO

Index 'SRH.IX_RELATIONSHIP19'

Caption	IX_RELATIONSHIP19		
Entity Name	SRH.TRIP_ASSIGNMENT_SUM		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key
VESSEL_ID	ASC	NO	YES

Index 'SRH.IX_RELATIONSHIP6'

Caption	IX_RELATIONSHIP6		
Entity Name	SRH.TRIP_ASSIGNMENT_SUM		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key
TRIP_SAMPLE_ID	ASC	NO	YES

"ERD", page 224

Indexes

Index 'SRH.IX_RELATIONSHIP7'

Caption	IX_RELATIONSHIP7		
Entity Name	SRH.TRIP_ASSIGNMENT_SUM		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key
TRIP_SCHEDULE_ID	ASC	NO	YES

Index 'SRH.IX_RELATIONSHIP8'

Caption	IX_RELATIONSHIP8		
Entity Name	SRH.TRIP_ASSIGNMENT_SUM		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key

Index 'SRH.IX_RELATIONSHIP9'

Caption	IX_RELATIONSHIP9		
Entity Name	SRH.TRIP_ASSIGNMENT_SUM		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key
TRIP_TYPE_ID	ASC	NO	YES

Index 'SRH.IX_RELATIONSHIP002'

Caption	IX_RELATIONSHIP002		
Entity Name	SRH.TRIP_SAMPLE		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key
BATCH_ID	ASC	NO	YES

Index 'SRH.IX_RELATIONSHIP20'

Caption	IX_RELATIONSHIP20		
Entity Name	SRH.TRIP_SAMPLE		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key
AREA_ID	ASC	NO	YES

Index 'SRH.IX_RELATIONSHIP21'

Caption	IX_RELATIONSHIP21		
Entity Name	SRH.TRIP_SAMPLE		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key
VESSEL_ID	ASC	NO	YES

"ERD", page 225

Indexes

Index 'SRH.IX_RELATIONSHIP25'

Caption	IX_RELATIONSHIP25		
Entity Name	SRH.TRIP_SAMPLE		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key
PORT_AGENT_ID	ASC	NO	YES

Index 'SRH.IX_RELATIONSHIP15'

Caption	IX_RELATIONSHIP15		
Entity Name	SRH.TRIP_SAMPLE_DETAIL		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key
SPECIES_ID	ASC	NO	YES

Index 'SRH.IX_RELATIONSHIP312'

Caption	IX_RELATIONSHIP312		
Entity Name	SRH.TRIP_SAMPLE_DETAIL		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key
TRIP_SAMPLE_ID	ASC	NO	YES

Index 'SRH.IX_RELATIONSHIP10'

Caption	IX_RELATIONSHIP10		
Entity Name	SRH.TRIP_SCHEDULE		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key
PORT_AGENT_ID	ASC	NO	YES

Index 'SRH.IX_RELATIONSHIP14'

Caption	IX_RELATIONSHIP14		
Entity Name	SRH.TRIP_SCHEDULE		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key
TRIP_SCHEDULE_DATE	ASC	NO	NO

Index 'SRH.IX_RELATIONSHIP18'

Caption	IX_RELATIONSHIP18		
Entity Name	SRH.TRIP_SCHEDULE		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key

Indexes**Index 'SRH.IX_RELATIONSHIP5'**

Caption	IX_RELATIONSHIP5		
Entity Name	SRH.TRIP_SCHEDULE		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key
BATCH_ID	ASC	NO	YES

Index 'SRH.Key20'

Caption	Key20		
Entity Name	SRH.TRIP_SCHEDULE		
Unique	YES		
Attribute	Order	Primary Key	Foreign Key
TRIP_SCHEDULE_ID	ASC	YES	NO

Index 'SRH.IX_RELATIONSHIP16'

Caption	IX_RELATIONSHIP16		
Entity Name	SRH.VESSEL		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key
AREA_ID	ASC	NO	YES

Index 'SRH.IX_RELATIONSHIP17'

Caption	IX_RELATIONSHIP17		
Entity Name	SRH.VESSEL		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key

Index 'SRH.IX_RELATIONSHIP22'

Caption	IX_RELATIONSHIP22		
Entity Name	SRH.VESSEL		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key
PORT_ID	ASC	NO	YES

Index 'SRH.Key24'

Caption	Key24		
Entity Name	SRH.VESSEL		
Unique	YES		
Attribute	Order	Primary Key	Foreign Key
VESSEL_ID	ASC	YES	NO

"ERD", page 227

Indexes

Index 'SRH.IX_RELATIONSHIP12'

Caption	IX_RELATIONSHIP12		
Entity Name	SRH.VESSEL_ENTT_RLTN		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key
VESSEL_ID	ASC	NO	YES

Index 'SRH.IX_RELATIONSHIP13'

Caption	IX_RELATIONSHIP13		
Entity Name	SRH.VESSEL_ENTT_RLTN		
Unique	NO		
Attribute	Order	Primary Key	Foreign Key
ENTT_ID	ASC	NO	YES

Index 'SRH.Key23'

Caption	Key23		
Entity Name	SRH.VESSEL_ENTT_RLTN		
Unique	YES		
Attribute	Order	Primary Key	Foreign Key
VESSEL_ENTT_RLTN_ID	ASC	YES	NO

"ERD", page 228

Relationships**Relationship Report**

Relationship Name	Relationship Type	Parent Entity	Child Entity	Card.
FK_HB_R	Non-identifying	SRH.HB_REPORT	SRH.HB_REPORT_DETAIL	1:N
FK_HB_R_AREA	Non-identifying	SRH.AREA	SRH.HB_REPORT	1:N
FK_HB_R_BATCH	Non-identifying	SRH.BATCH	SRH.HB_REPORT	1:N
FK_HB_R_TTYPE	Non-identifying	SRH.TRIP_TYPE	SRH.HB_REPORT	1:N
FK_HB_R_VESSEL	Non-identifying	SRH.VESSEL	SRH.HB_REPORT	1:N
FK_HB_RD_SPECIES	Non-identifying	SRH.SPECIES	SRH.HB_REPORT_DETAIL	1:N
FK_PORT_AGNT	Non-identifying	SRH.PORT_AGENT	SRH.TRIP_ACTIVITY	1:N
FK_SE_LB_BATCH	Non-identifying	SRH.BATCH	SRH.LOAD_SE_LOG_BOOK	1:N
FK_T_TYPE	Non-identifying	SRH.TRIP_TYPE	SRH.TRIP_ACTIVITY	1:N
FK_TS_PORT_AGENT	Non-identifying	SRH.PORT_AGENT	SRH.SAMPLE_ACTIVITY	1:N
FK_TS_REASON	Non-identifying	SRH.REASON_NO_SAMPLE	SRH.SAMPLE_ACTIVITY	1:N
FK_TS_SAMPLE	Non-identifying	SRH.TRIP_SAMPLE	SRH.SAMPLE_ACTIVITY	1:N
FK_TS_TRIP_TYPE	Non-identifying	SRH.TRIP_TYPE	SRH.SAMPLE_ACTIVITY	1:N
FK_TS_VESSEL	Non-identifying	SRH.VESSEL	SRH.SAMPLE_ACTIVITY	1:N
FK_VESSL	Non-identifying	SRH.VESSEL	SRH.TRIP_ACTIVITY	1:N
RELATIONSHIP006	Non-identifying	SRH.TRIP_SAMPLE	SRH.TRIP_ASSIGNMENT_SUM	1:N
RELATIONSHIP1	Non-identifying	SRH.BATCH	SRH.LOAD_BOARD	1:N
RELATIONSHIP10	Non-identifying	SRH.PORT_AGENT	SRH.TRIP_SCHEDULE	1:N
RELATIONSHIP12	Non-identifying	SRH.VESSEL	SRH.VESSEL_ENTT_RLTN	1:N
RELATIONSHIP13	Non-identifying	SRH.ENTT	SRH.VESSEL_ENTT_RLTN	1:N
RELATIONSHIP15	Non-identifying	SRH.SPECIES	SRH.TRIP_SAMPLE_DETAIL	1:N
RELATIONSHIP16	Non-identifying	SRH.AREA	SRH.VESSEL	1:N
RELATIONSHIP19	Non-identifying	SRH.VESSEL	SRH.TRIP_ASSIGNMENT_SUM	1:N
RELATIONSHIP20	Non-identifying	SRH.AREA	SRH.TRIP_SAMPLE	1:N
RELATIONSHIP21	Non-identifying	SRH.VESSEL	SRH.TRIP_SAMPLE	1:N
RELATIONSHIP22	Non-identifying	SRH.PORT	SRH.VESSEL	1:N
RELATIONSHIP25	Non-identifying	SRH.PORT_AGENT	SRH.TRIP_SAMPLE	1:N
RELATIONSHIP299	Non-identifying	SRH.BATCH	SRH.TRIP_SAMPLE	1:N
RELATIONSHIP312	Non-identifying	SRH.TRIP_SAMPLE	SRH.TRIP_SAMPLE_DETAIL	1:N

"ERD", page 229

Relationships

RELATIONSHIP34	Non-identifying	SRH.AREA	SRH.PORT_AGENT_AREA	1:N
RELATIONSHIP35	Non-identifying	SRH.PORT_AGENT	SRH.PORT_AGENT_AREA	1:N
Relationship43	Non-identifying	SRH.BATCH	SRH.LOAD_SCHEDULE	1:N
Relationship44	Non-identifying	SRH.REASON_NO_HAR	SRH.TRIP_ACTIVITY	1:N
Relationship45	Non-identifying	SRH.PORT_AGENT	PORT_AGENT_PORT	1:N
Relationship46	Non-identifying	SRH.PORT	PORT_AGENT_PORT	1:N
Relationship47	Non-identifying	SRH.AREA	SRH.PORT	1:N
Relationship48	Non-identifying	SRH.BATCH	SRH.LOAD_ESTIMATES	1:N
Relationship49	Non-identifying	SRH.ZONE	SRH.AREA	1:N
RELATIONSHIP5	Non-identifying	SRH.BATCH	SRH.TRIP_SCHEDULE	1:N
Relationship50	Non-identifying	SRH.BATCH	SRH.LOAD_ANG_DAYS	1:N
Relationship51	Non-identifying	SRH.BATCH	SRH.LANDING_ESTIMATES	1:N
Relationship52	Non-identifying	SRH.BATCH	SRH.ANG_DAYS_ESTIMATES	1:N
Relationship54	Non-identifying	SRH.PORT	SRH.TRIP_SCHEDULE	1:N
Relationship55	Non-identifying	VESSEL_TYPE	SRH.TRIP_SAMPLE	1:N
Relationship57	Non-identifying	VESSEL_TYPE	SRH.VESSEL	1:N
Relationship58	Non-identifying	SRH.VESSEL	INACTIVE_LOG	1:N
RELATIONSHIP7	Non-identifying	SRH.TRIP_SCHEDULE	SRH.TRIP_ASSIGNMENT_SUM	1:N
RELATIONSHIP9	Non-identifying	SRH.TRIP_TYPE	SRH.TRIP_ASSIGNMENT_SUM	1:N

"ERD", page 230

Check Constraints

Check Constraint Report

Check Constraint Name	type	Object Name
CH_ENTT_TYPE	Attribute	ENTT_TYPE (SRH.ENTT)
CH_GROUP	Attribute	ADMIN_OR_GROUP (SRH.MAINTENANCE_LIST)
BOOLEAN_1_0	Attribute	IS_ACTIVE (SRH.PORT)

"ERD", page 231

Check Constraints

Check Constraint 'CH_ENTT_TYPE'

Caption	CH_ENTT_TYPE
Entity Name	SRH.ENTT
Attribute Name	ENTT_TYPE

ENTT_TYPE IN ('IN', 'BU')

Check Constraint 'CH_GROUP'

Caption	CH_GROUP
Entity Name	SRH.MAINTENANCE_LIST
Attribute Name	ADMIN_OR_GROUP

ADMIN_OR_GROUP IN ('ADMIN', 'AGENT', 'LOGBOOK')

Check Constraint 'BOOLEAN_1_0'

Caption	BOOLEAN_1_0
Entity Name	SRH.PORT
Attribute Name	IS_ACTIVE

IS_ACTIVE IN (1,0)

"ERD", page 232

Triggers**Trigger Report**

Trigger Name	Entity Name
SRH.T_LU_AREA	SRH.AREA
SRH.T_LU_BATCH	SRH.BATCH
SRH.T_BIR_ENTT2	SRH.ENTT
SRH.T_LU_ENTT	SRH.ENTT
SRH.T_BIR_BOARD_READING	SRH.LOAD_BOARD
SRH.T_BIR_LOAD_BOARD	SRH.LOAD_BOARD
SRH.T_LU_LOAD_BOARD	SRH.LOAD_BOARD
SRH.T_LU_LOAD_ESTIMATES	SRH.LOAD_ESTIMATES
SRH.T_BIR_LOAD_SCHEDULE	SRH.LOAD_SCHEDULE
SRH.T_LOAD_SE_LOGBOOK	SRH.LOAD_SE_LOGBOOK
SRH.T_MAINTENANCE_LIST_ID	SRH.MAINTENANCE_LIST
SRH.T_LU_PORT2	SRH.PORT
SRH.T_LU_PORT_AGENT	SRH.PORT_AGENT
SRH.T_LU_PORT_AGENT_AREA	SRH.PORT_AGENT_AREA
SRH.T_LU_REASON_NO_HAR	SRH.REASON_NO_HAR
SRH.T_LU_REASON_NO_SAMPLE	SRH.REASON_NO_SAMPLE
SRH.T_REPORTS_ID	SRH.REPORTS
SRH.T_LU_SAMPLE_ACTIVITY	SRH.SAMPLE_ACTIVITY
SRH.T_LU_SPECIESX	SRH.SPECIES
SRH.T_LU_TRIP_ACTIVITY	SRH.TRIP_ACTIVITY
SRH.T_TRIP_ASSIGNMENT_SUM	SRH.TRIP_ASSIGNMENT_SUM
SRH.T_LU_TRIP_SAMPLE	SRH.TRIP_SAMPLE
SRH.T_LU_TRIP_SAMPLE_DETAIL	SRH.TRIP_SAMPLE_DETAIL
SRH.T_LU_TRIP_SCHEDULE	SRH.TRIP_SCHEDULE
SRH.T_LU_TRIP_TYPE	SRH.TRIP_TYPE
SRH.T_LU_VESSEL	SRH.VESSEL
SRH.T_LU_VESSEL_ENTT_RLTN	SRH.VESSEL_ENTT_RLTN

"ERD", page 233

Triggers

Trigger 'SRH.T_LU_AREA' (Entity 'SRH.AREA')

Caption	T_LU_AREA
----------------	-----------

```

DECLARE
    -- LOCAL VARIABLES HERE
BEGIN

    :new.lu          := SYSDATE;
    :new.lu_user_code := nvl(v('APP_USER'), USER);

END t_lu_area;

```

Trigger Properties

Trigger Fire	BEFORE
Trigger Events	Insert, Update
Correlation Name - OLD	OLD
Correlation Name - NEW	NEW
For Each Row	YES

Trigger 'SRH.T_LU_BATCH' (Entity 'SRH.BATCH')

Caption	T_LU_BATCH
----------------	------------

```

DECLARE
    -- LOCAL VARIABLES HERE
BEGIN

    :new.lu_user_code := nvl(v('APP_USER'), USER);

END t_lu_load_batch;

```

Trigger Properties

Trigger Fire	BEFORE
Trigger Events	Insert
Correlation Name - OLD	OLD
Correlation Name - NEW	NEW
For Each Row	YES

Trigger 'SRH.T_BIR_ENTT2' (Entity 'SRH.ENTT')

Caption	T_BIR_ENTT2
----------------	-------------

```

DECLARE
    -- LOCAL VARIABLES HERE
BEGIN

    IF :NEW.ENTT_ID IS NULL THEN
        SELECT ENTT_SQ.NEXTVAL INTO :NEW.ENTT_ID FROM DUAL;
        SELECT nvl(v('APP_USER'), USER) INTO :NEW.LU_USER_CODE FROM DUAL;

    END IF;

```

"ERD", page 234

Triggers

END T_BIR_ENTT;

Trigger Properties

Trigger Fire	BEFORE
Trigger Events	Insert
Correlation Name - OLD	OLD
Correlation Name - NEW	NEW
For Each Row	YES

Trigger 'SRH.T_LU_ENTT' (Entity 'SRH.ENTT')

Caption	T_LU_ENTT
----------------	-----------

```

DECLARE
    -- LOCAL VARIABLES HERE
BEGIN

    :new.lu          := SYSDATE;
    :new.lu_user_code := nvl(v('APP_USER'), USER);

END t_lu_entt;

```

Trigger Properties

Trigger Fire	BEFORE
Trigger Events	Insert, Update
Correlation Name - OLD	OLD
Correlation Name - NEW	NEW
For Each Row	YES

Trigger 'SRH.T_BIR_BOARD_READING' (Entity 'SRH.LOAD_BOARD')

Caption	T_BIR_BOARD_READING
----------------	---------------------

```

DECLARE
    -- LOCAL VARIABLES HERE
BEGIN

    IF :NEW.LOAD_BOARD_ID IS NULL THEN
        SELECT BOARD_READING_SQ.NEXTVAL INTO :NEW.LOAD_BOARD_ID FROM DUAL;
        SELECT nvl(v('APP_USER'), USER) INTO :NEW.LU_USER_CODE FROM DUAL;

    END IF;

END T_BIR_BOARD_READING;

```

"ERD", page 235

Triggers

Trigger Properties

Trigger Fire	BEFORE
Trigger Events	Insert
Correlation Name - OLD	OLD
Correlation Name - NEW	NEW
For Each Row	YES

Trigger 'SRH.T_BIR_LOAD_BOARD' (Entity 'SRH.LOAD_BOARD')

Caption	T_BIR_LOAD_BOARD
DECLARE	
-- LOCAL VARIABLES HERE	
BEGIN	
IF :NEW.LOAD_BOARD_ID IS NULL THEN	
SELECT LOAD_BOARD_SQ.NEXTVAL INTO :NEW.LOAD_BOARD_ID FROM DUAL;	
SELECT nvl(v('APP_USER'), USER) INTO :NEW.LU_USER_CODE FROM DUAL;	
END IF;	
END T_BIR_LOAD_BOARD;	

Trigger Properties

Trigger Fire	BEFORE
Trigger Events	Insert
Correlation Name - OLD	OLD
Correlation Name - NEW	NEW
For Each Row	YES

Trigger 'SRH.T_LU_LOAD_BOARD' (Entity 'SRH.LOAD_BOARD')

Caption	T LU LOAD BOARD
DECLARE	
-- LOCAL VARIABLES HERE	
BEGIN	
:new.lu := SYSDATE;	
:new.lu_user_code := nvl(v('APP_USER'), USER);	
END t_lu_load_board;	

"ERD", page 236

Triggers

Trigger Properties

Trigger Fire	BEFORE
Trigger Events	Insert, Update
Correlation Name - OLD	OLD
Correlation Name - NEW	NEW
For Each Row	YES

Trigger 'SRH.T_LU_LOAD_ESTIMATES' (Entity 'SRH.LOAD_ESTIMATES')

Caption	T_LU_LOAD_ESTIMATES
DECLARE	
-- LOCAL VARIABLES HERE	
BEGIN	
IF :NEW.LOAD_ESTIMATES_ID IS NULL THEN	
SELECT LOAD_BOARD_SQ.NEXTVAL INTO :NEW.LOAD_ESTIMATES_ID FROM DUAL;	
SELECT SYSDATE INTO :NEW.LU FROM DUAL;	
SELECT nvl(v('APP_USER'), USER) INTO :NEW.LU_USER_CODE FROM DUAL;	
END IF;	
END t_lu_load_estimates;	

Trigger Properties

Trigger Fire	BEFORE
Trigger Events	Insert, Update
Correlation Name - OLD	OLD
Correlation Name - NEW	NEW
For Each Row	YES

Trigger 'SRH.T_BIR_LOAD_SCHEDULE' (Entity 'SRH.LOAD_SCHEDULE')

Caption	T_BIR_LOAD_SCHEDULE
DECLARE	
-- LOCAL VARIABLES HERE	
BEGIN	
IF :NEW.LOAD_SCHEDULE_ID IS NULL THEN	
SELECT LOAD_SCHEDULE_SQ.NEXTVAL INTO :NEW.LOAD_SCHEDULE_ID FROM DUAL;	
:new.lu := SYSDATE;	
:new.lu_user_code := nvl(v('APP_USER'), USER);	
END IF;	
END T_BIR_LOAD_SCHEDULE;	

"ERD", page 237

Triggers

Trigger Properties

Trigger Fire	BEFORE
Trigger Events	Insert
Correlation Name - OLD	OLD
Correlation Name - NEW	NEW
For Each Row	YES

Trigger 'SRH.T_LOAD_SE_LOGBOOK' (Entity 'SRH LOAD_SE_LOGBOOK')

Caption	T_LOAD_SE_LOGBOOK
---------	-------------------

```

DECLARE
    -- LOCAL VARIABLES HERE
BEGIN

    :new.load_se_logbook_id := load_se_logbook_sq.nextval;
    :new.lu                := SYSDATE;
    :new.lu_user_code       := nvl(v('APP_USER'), USER);

END t_lu_trip_sample;

```

Trigger Properties

Trigger Fire	BEFORE
Trigger Events	Insert, Update
Correlation Name - OLD	OLD
Correlation Name - NEW	NEW
For Each Row	YES

Trigger 'SRH.T_MAINTENANCE_LIST_ID' (Entity 'SRH MAINTENANCE_LIST')

Caption	T_MAINTENANCE_LIST_ID
---------	-----------------------

```

DECLARE
    -- local variables here
    --l_cnt PLS_INTEGER;
BEGIN

    IF :new.maintenance_list_id IS NULL THEN

        :new.maintenance_list_id := maintenance_list_sq.nextval;

    END IF;

    :new.maintenance_list_nm := upper(TRIM(:new.maintenance_list_nm));
    :new.category           := upper(TRIM(:new.category));
    :new.lu                 := SYSDATE;
    :new.lu_user            := nvl(v('APP_USER'), USER);

END t_maintenance_list_id;

```

"ERD", page 238

Triggers

Trigger Properties

Trigger Fire	BEFORE
Trigger Events	Insert, Update
Correlation Name - OLD	OLD
Correlation Name - NEW	NEW
For Each Row	YES

Trigger 'SRH.T_LU_PORT2' (Entity 'SRH.PORT')

Caption	T_LU_PORT2
----------------	------------

```

DECLARE
    -- LOCAL VARIABLES HERE
BEGIN

    :new.lu          := SYSDATE;
    :new.lu_user_code := nvl(v('APP_USER'), USER);

END t_lu_port;

```

Trigger Properties

Trigger Fire	BEFORE
Trigger Events	Insert, Update
Correlation Name - OLD	OLD
Correlation Name - NEW	NEW
For Each Row	YES

Trigger 'SRH.T_LU_PORT_AGENT' (Entity 'SRH.PORT_AGENT')

Caption	T_LU_PORT_AGENT
----------------	-----------------

```

DECLARE
    -- LOCAL VARIABLES HERE
BEGIN

    :new.lu          := SYSDATE;
    :new.lu_user_code := nvl(v('APP_USER'), USER);

END t_lu_port_agent;

```

Trigger Properties

Trigger Fire	BEFORE
Trigger Events	Insert, Update
Correlation Name - OLD	OLD
Correlation Name - NEW	NEW
For Each Row	YES

"ERD", page 239

Triggers

Trigger 'SRH.T_LU_PORT_AGENT_AREA' (Entity 'SRH.PORT_AGENT_AREA')

Caption	T_LU_PORT_AGENT_AREA
DECLARE	
-- LOCAL VARIABLES HERE	
BEGIN	
:new.lu := SYSDATE;	
:new.lu_user_code := nvl(v('APP_USER'), USER);	
END t_lu_port_agent_area;	

Trigger Properties

Trigger Fire	BEFORE
Trigger Events	Insert, Update
Correlation Name - OLD	OLD
Correlation Name - NEW	NEW
For Each Row	YES

Trigger 'SRH.T_LU_REASON_NO_HAR' (Entity 'SRH.REASON_NO_HAR')

Caption	T_LU_REASON_NO_HAR
DECLARE	
-- LOCAL VARIABLES HERE	
BEGIN	
:new.lu := SYSDATE;	
:new.lu_user_code := nvl(v('APP_USER'), USER);	
END t_lu_reason_no_har;	

Trigger Properties

Trigger Fire	BEFORE
Trigger Events	Insert, Update
Correlation Name - OLD	OLD
Correlation Name - NEW	NEW
For Each Row	YES

Trigger 'SRH.T_LU_REASON_NO_SAMPLE' (Entity 'SRH.REASON_NO_SAMPLE')

Caption	T_LU_REASON_NO_SAMPLE
DECLARE	
-- LOCAL VARIABLES HERE	
BEGIN	
:new.lu := SYSDATE;	
:new.lu_user_code := nvl(v('APP_USER'), USER);	
END t_lu_reason_no_sample;	

"ERD", page 240

Triggers

Trigger Properties

Trigger Fire	BEFORE
Trigger Events	Insert, Update
Correlation Name - OLD	OLD
Correlation Name - NEW	NEW
For Each Row	YES

Trigger 'SRH.T_REPORTS_ID' (Entity 'SRH.REPORTS')

Caption	T_REPORTS_ID
----------------	--------------

```

DECLARE
    -- local variables here
    --l_cnt PLS_INTEGER;
BEGIN
    IF :NEW.reports_id IS NULL THEN
        :NEW.reports_id := reports_sq.NEXTVAL;
    END IF;

    :NEW.report_nm := upper(TRIM(:NEW.report_nm));
    :NEW.category := upper(TRIM(:NEW.category));
    :NEW.lu := SYSDATE;
    :NEW.lu_user := nvl(v('APP_USER'), USER);

END t_reports_id;

```

Trigger Properties

Trigger Fire	BEFORE
Trigger Events	Insert, Update
Correlation Name - OLD	OLD
Correlation Name - NEW	NEW
For Each Row	YES

Trigger 'SRH.T_LU_SAMPLE_ACTIVITY' (Entity 'SRH.SAMPLE_ACTIVITY')

Caption	T_LU_SAMPLE_ACTIVITY
----------------	----------------------

```

DECLARE
    -- LOCAL VARIABLES HERE
    v_vessel_id vessel.vessel_id%TYPE;
BEGIN
    IF substr(:new.a_field, 1, 2) = 'TS' THEN
        -- TRIP SAMPLE assignment - Set the trip_sample_id AND the associated
        Vessel for this sample
        :new.trip_sample_id := substr(:new.a_field, 3);
        -- Vessel Id assignment
    END IF;

```

"ERD", page 241

Triggers

```

SELECT vessel_id INTO v_vessel_id FROM trip_sample WHERE trip_sample_id =
substr(:new.a_field, 3);
:new.vessel_id := v_vessel_id;
ELSE
-- this is a no sample Vessel with Reason report
:new.vessel_id      := substr(:new.a_field, 3);
:new.trip_sample_id := NULL;

IF :new.reason_no_sample_id IS NULL THEN
    raise_application_error(-20001, 'Must specify reason when vessel
chosen');
END IF;

END IF;

:new.lu          := SYSDATE;
:new.lu_user_code := nvl(v('APP_USER'), USER);

END t_lu_sample_activity;

```

Trigger Properties

Trigger Fire	BEFORE
Trigger Events	Insert, Update
Correlation Name - OLD	OLD
Correlation Name - NEW	NEW
For Each Row	YES

Trigger 'SRH.T_LU_SPECIESX' (Entity 'SRH.SPECIES')

Caption	T_LU_SPECIESX
DECLARE	
--- LOCAL VARIABLES HERE	
BEGIN	
IF :NEW.SPECIES_ID IS NULL THEN	
SELECT SPECIES_SQ.NEXTVAL INTO :NEW.SPECIES_ID FROM DUAL;	
END IF;	
:new.lu := SYSDATE;	
:new.lu_user_code := nvl(v('APP_USER'), USER);	
END t_lu_speciesX;	

Trigger Properties

Trigger Fire	BEFORE
Trigger Events	Insert, Update
Correlation Name - OLD	OLD
Correlation Name - NEW	NEW
For Each Row	YES

"ERD", page 242

Triggers

Trigger 'SRH.T_LU_TRIP_ACTIVITY' (Entity 'SRH.TRIP_ACTIVITY')

Caption	T_LU_TRIP_ACTIVITY
<pre> DECLARE -- LOCAL VARIABLES HERE v_vessel_id vessel.vessel_id%TYPE; BEGIN -- VALIDATION /* IF substr(:new.a_field, 1, 2) = 'TS' THEN -- TRIP SAMPLE assignment :new.trip_sample_id := substr(:new.a_field, 3); -- Vessel Id assignment SELECT vessel_id INTO v_vessel_id FROM trip_sample WHERE trip_sample_id = substr(:new.a_field, 3); :new.vessel_id := v_vessel_id; ELSE :new.vessel_id := substr(:new.a_field, 3); :new.trip_sample_id := NULL; END IF;*/ :new.lu := SYSDATE; :new.lu_user_code := nvl(v('APP_USER'), USER); END t_lu_trip_activity; </pre>	

Trigger Properties

Trigger Fire	BEFORE
Trigger Events	Insert, Update
Correlation Name - OLD	OLD
Correlation Name - NEW	NEW
For Each Row	YES

Trigger 'SRH.T_TRIP_ASSIGNMENT_SUM' (Entity 'SRH.TRIP_ASSIGNMENT_SUM')

Caption	T_TRIP_ASSIGNMENT_SUM
<pre> DECLARE -- local variables here --l_cnt PLS_INTEGER; BEGIN :new.lu := SYSDATE; :new.lu_user_code := nvl(v('APP_USER'), USER); END t_trip_assignment_sum; </pre>	

"ERD", page 243

Triggers

Trigger Properties

Trigger Fire	BEFORE
Trigger Events	Insert, Update
Correlation Name - OLD	OLD
Correlation Name - NEW	NEW
For Each Row	YES

Trigger 'SRH.T_LU_TRIP_SAMPLE' (Entity 'SRH.TRIP_SAMPLE')

Caption	T_LU_TRIP_SAMPLE
----------------	------------------

```
DECLARE
  -- LOCAL VARIABLES HERE
BEGIN
```

```
:new.lu          := SYSDATE;
:new.lu_user_code := nvl(v('APP_USER'), USER);

END t_lu_trip_sample;
```

Trigger Properties

Trigger Fire	BEFORE
Trigger Events	Insert, Update
Correlation Name - OLD	OLD
Correlation Name - NEW	NEW
For Each Row	YES

Trigger 'SRH.T_LU_TRIP_SAMPLE_DETAIL' (Entity 'SRH.TRIP_SAMPLE_DETAIL')

Caption	T_LU_TRIP_SAMPLE_DETAIL
----------------	-------------------------

```
DECLARE
  -- LOCAL VARIABLES HERE
BEGIN
```

```
:new.lu          := SYSDATE;
:new.lu_user_code := nvl(v('APP_USER'), USER);

END t_lu_trip_sample_detail;
```

Trigger Properties

Trigger Fire	BEFORE
Trigger Events	Insert, Update
Correlation Name - OLD	OLD
Correlation Name - NEW	NEW
For Each Row	YES

"ERD", page 244

Triggers

Trigger 'SRH.T_LU_TRIP_SCHEDULE' (Entity 'SRH.TRIP_SCHEDULE')

Caption	T_LU_TRIP_SCHEDULE
DECLARE	
-- LOCAL VARIABLES HERE	
BEGIN	
:new.lu := SYSDATE;	
:new.lu_user_code := nvl(v('APP_USER'), USER);	
END t_lu_trip_schedule;	

Trigger Properties

Trigger Fire	BEFORE
Trigger Events	Insert, Update
Correlation Name - OLD	OLD
Correlation Name - NEW	NEW
For Each Row	YES

Trigger 'SRH.T_LU_TRIP_TYPE' (Entity 'SRH.TRIP_TYPE')

Caption	T_LU_TRIP_TYPE
DECLARE	
-- LOCAL VARIABLES HERE	
BEGIN	
:new.lu := SYSDATE;	
:new.lu_user_code := nvl(v('APP_USER'), USER);	
END t_lu_trip_type;	

Trigger Properties

Trigger Fire	BEFORE
Trigger Events	Insert, Update
Correlation Name - OLD	OLD
Correlation Name - NEW	NEW
For Each Row	YES

Trigger 'SRH.T_LU_VESSEL' (Entity 'SRH.VESSEL')

Caption	T_LU_VESSEL
DECLARE	
-- LOCAL VARIABLES HERE	
BEGIN	
:new.lu := SYSDATE;	
:new.lu_user_code := nvl(v('APP_USER'), USER);	
END t_lu_vessel;	

"ERD", page 245

Triggers

Trigger Properties

Trigger Fire	BEFORE
Trigger Events	Insert, Update
Correlation Name - OLD	OLD
Correlation Name - NEW	NEW
For Each Row	YES

Trigger 'SRH.T_LU_VESSEL_ENTT_RLTN' (Entity 'SRH.VESSEL_ENTT_RLTN')

Caption	T_LU_VESSEL_ENTT_RLTN
<pre>DECLARE -- LOCAL VARIABLES HERE BEGIN</pre>	

```
:new.lu      := SYSDATE;
:new.lu_user_code := nvl(v('APP_USER'), USER);
```

```
END t_lu_vessel_entt_rltn;
```

Trigger Properties

Trigger Fire	BEFORE
Trigger Events	Insert, Update
Correlation Name - OLD	OLD
Correlation Name - NEW	NEW
For Each Row	YES

"Final Report", page 1

Southeast Regional Headboat (SRH)

Final Report

Report Title: MRIP IMT Funded Project – Final Report

AUTHOR: Patrick Cope
AFFILIATION: SOUTHEAST FISHERIES SCIENCE CENTER (SEFSC)
DOCUMENT NO: 20130725
VERSION: 1.0

DATE: August 5, 2013

"Final Report", page 2

Table of Contents

Southeast Regional Headboat (SRH)	1
1 Final Report	2
1.1 Executive Summary	2
1.2 Background	2
1.3 Executive Summary	Error! Bookmark not defined.
1.4 Background	Error! Bookmark not defined.
1.5 Project Objectives (Recommendations)	3
1.6 Delivered System Capabilities (Conclusion)	3
1.7 References	9

1 Final Report

Report Title: MRIP IMT Funded Project – Final Report
Author: PATRICK COPE
Affiliation: Southeast Fisheries Science Center (SEFSC)
Document no: 20130725
Version: 1.0
Date: August 5, 2013

1.1 Executive Summary

The Southeast Regional Headboat project was an effort to develop a data recording system with capabilities to upload, review, validation, and make corrections through an online interface. The system was developed by the Southeast Fisheries Science Center with Kenneth Brennan and Kelly Fitzpatrick as primary stakeholders guiding the requirements of the project.

The project was completed in June, 2013. Deliverables included:

- Database Design Documentation
- Users Guide
- Training and user support (issue tracking via online system)
- Fully functional system supporting day-to-day operations in production

1.2 Background

As part of the ongoing effort to address the increasing demands on data collection programs for improved and timelier recreational data, the MRIP Operations Team approved FY12 funding for: Pilot Project, Phase II: Survey-Wide Implementation of Electronic Logbook Reporting on Headboats Operating in the U.S. South Atlantic and Gulf of Mexico. This project will expand electronic logbook reporting to the entire universe of headboats in the Southeast Region Headboat Survey (SHRS) currently reporting on paper logbooks. The funding for the project will support the devel-

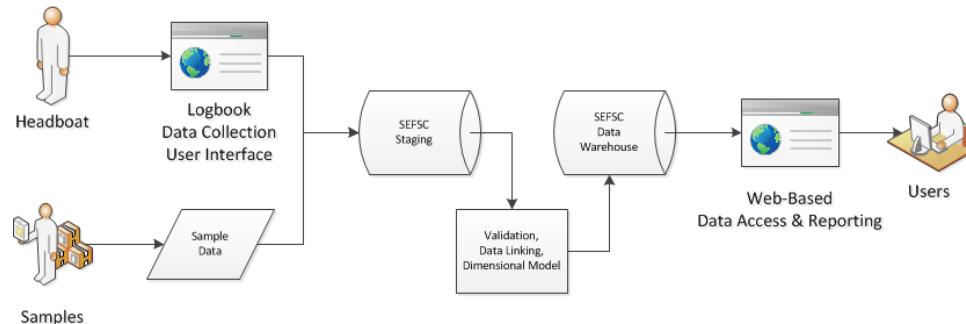
"Final Report", page 4

opment of an internet-based software system with mobile applications for the South Atlantic and Gulf of Mexico headboat fishery. Although this system will significantly increase the efficiency of collecting catch and effort data, it does not address the current deficiencies for storage and accessibility of incoming or archived headboat logbook data, biological data or other source data maintained at the NOAA Beaufort Laboratory. Since 1981 the SRHS has maintained data files in two basic formats, ASCII (dta) and Dbase (dbf). In recent years these formats have presented numerous problems, including compatibility with operating system updates, data extraction and limited storage capacity. As data managers strive for consistency between management structures and data availability, these issues will impede the ability of the SRHS to achieve these objectives. Furthermore, gains that are realized from electronic reporting may be offset by these deficiencies due to the lag time required to convert the data to the present formats.

1.3 Project Objectives (Recommendations)

The main objectives of the project are:

- Loading of data from Electronic Logbook Reporting system
- Loading of data from port-side sampler data storage (include measuring board data)
- Build data staging area at SEFSC for hosting raw data from data providers
- Build data processing to validate, link, and merge data from sources
- Load data into SEFSC data warehouse
- Provide web-based data access for reporting and extraction (download local copy)



"Final Report", page 5

1.4 Delivered System Capabilities (Conclusion)

Upload Modules which allows users to upload pre-define file formats to the shared database system

- Upload Modules
 - Upload Biological Profile Data
 - Upload Port Agent Schedule Assignments
 - Upload Captain Trip Reports
 - Upload Landing Estimates
 - Upload Angler Days Estimates

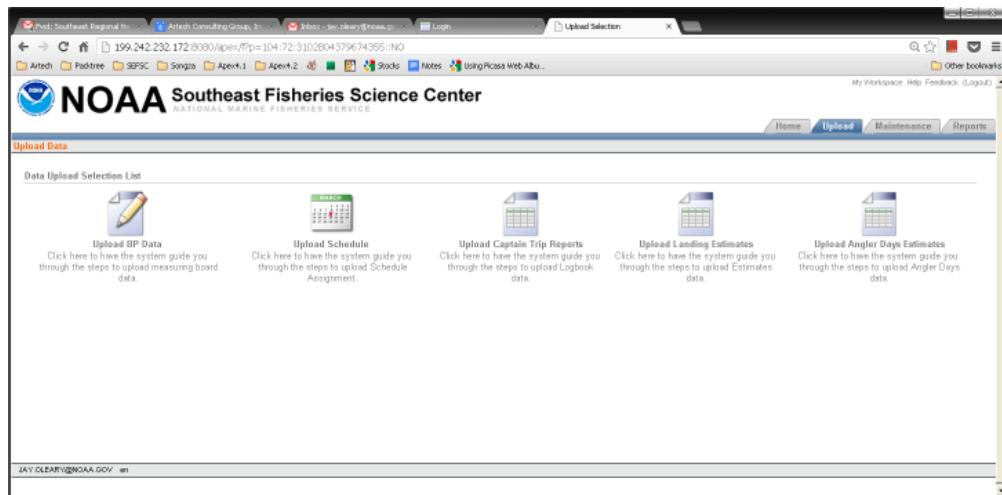


Figure 1 - Upload Modules

"Final Report", page 6

There are over fifteen **Data Maintenance Modules** which allow users to maintain data through the online interface

- Maintain uploaded data by Batch and Type (i.e. Captain Trip Reports, Measuring Board, and Assignment Schedule)
- Maintain Areas
- Maintain Area Long/Lats
- Maintain Port Agent to Port relationship
- Maintain System Users including Port Agents
- Maintain Ports
- Maintain Trip Types
- Maintain Vessels and Owner/Captain Assignment. The Owner/Captain must already exist to be assigned to a vessel.
- Maintain Vessel Types
- View and maintain data from Captain Trip Reports uploaded from the Online Logbook Reporting System.
- Maintain Biological Profiles Data
- Maintain People
- Maintain a List of No Sample Taken Reasons
- Maintain Species List
- Maintain Zones

"Final Report", page 7

Maintain Data List				
	View	Data List Name	Data List Description	Edit Group
DATA UPLOAD				
	View	UPLOAD DATA BY TYPE	View upload data by Batch and Type in the staging area. Captain Trip Reports (LogbookS), Measuring Board, and Assignment Schedule data are uploaded to the database by Batch. Use this page to delete data (whole batches) previously uploaded by you.	Edit Group
INTERVIEW DATA				
	View	AREA	Maintain Areas	Edit Group
	View	AREA LONG/LATS	Maintain Area Long/Lats	Edit Group
	View	PORT AGENT PORTS	Maintain Port Agent to Port relationship	Edit Group
	View	PORT AGENTS (USER/S)	Maintain System Users Including Port Agents	Edit Group
	View	PORTS	Maintain Ports	Edit Group
	View	TRIP TYPE	Maintain Trip Types	Edit Group
	View	VESSEL	Maintain Vessels and Owner/Captain Assignment. The Owner/Captain must already exist to be assigned to a vessel.	Edit Group
	View	VESSEL TYPE	Maintain Vessel Types	Edit Group
LOGBOOK				
	View	CAPTAIN TRIP REPORTS	View and maintain data from Captain Trip Reports uploaded from the Online Logbook Reporting System.	Edit Group
SAMPLE DATA				
	View	BP DATA (TRIP SAMPLE)	Maintain BP Data	Edit Group
	View	CAPTAINS AND OWNERS	Maintain People	Edit Group
	View	REASONS NO SAMPLE	Maintain a List of No Sample Reasons	Edit Group
	View	SPECIES	Maintain Species List	Edit Group
	View	ZONES	Maintain Zones	Edit Group

There are five **Data Download Modules** which allow users to download data from the shared online database to their local desktop computer.

- Download Biological Profiles Data by Year
- Download Elog Trip Reports - Note this report includes a lot of data, report can take a moment to run
- Download Headboat Activity Reports
- Download Historic Catch Reports Data by Year
- Download Vessel Directory Attributes

"Final Report", page 8

Run	Name	Description	Edit	Group
	BP DATA FOR DOWNLOAD	Download BP Data by Year	<input type="checkbox"/>	ADMIN
	ELOG TRIP REPORTS FOR DOWNLOAD	Download Elog Trip Reports - Note this report includes a lot of data, report can take a moment to run	<input type="checkbox"/>	ADMIN
	HAR FOR DOWNLOAD	Download HAR Reports	<input type="checkbox"/>	ADMIN
	HISTORIC CR FOR DOWNLOAD	Download Historic CR Data by Year - Note this report includes a lot of data, report can take a moment to run	<input type="checkbox"/>	ADMIN
	VESSEL DIRECTORY FOR DOWNLOAD	Download Vessel Directory	<input type="checkbox"/>	ADMIN

There are over fifteen **Reporting Modules** where users can view online reports charts and graphs.

- Landings Estimates by Month & Species
- View Captain Reports alongside Port Agent reports to compare Angler counts by Vessel, Activity Date, and Trip Type.
- List of Port Agents, Ports with associated Vessels
- View Schedule Assignments which have been uploaded into the database
- Biological Profile (BP) Data by Year.
 - Three report views
 - Primary,
 - BP's By Collection,
 - and BP's by Species, Year, Month & Vessel
- Sample count by Species, year & Area
- View data from Captain Trip Reports uploaded from the Online Logbook Reporting System
- View Owners and Captains by Vessel

"Final Report", page 9

The screenshot shows a web browser window for the NOAA Southeast Fisheries Science Center. The title bar reads "NOAA Southeast Fisheries Science Center". The main content area is titled "Report List" and contains a table of reports categorized into sections: DATA DOWNLOAD, ESTIMATES, PORT AGENT, SAMPLE ANALYSIS, and VESSEL INFO. Each section has a table with columns for Run, Name, Description, Edit, and Group.

DATA DOWNLOAD				
Run	Name	Description	Edit	Group
	BP DATA FOR DOWNLOAD	Download BP Data by Year	<input type="checkbox"/>	ADMIN
	ELOG TRIP REPORTS FOR DOWNLOAD	Download Elog Trip Reports - Note this report includes a lot of data, report can take a moment to run	<input type="checkbox"/>	ADMIN
	HAR FOR DOWNLOAD	Download HAR Reports	<input type="checkbox"/>	ADMIN
	HISTORIC CR FOR DOWNLOAD	Download Historic CR Data by Year - Note this report includes a lot of data, report can take a moment to run	<input type="checkbox"/>	ADMIN
	VESSEL DIRECTORY FOR DOWNLOAD	Download Vessel Directory	<input type="checkbox"/>	ADMIN

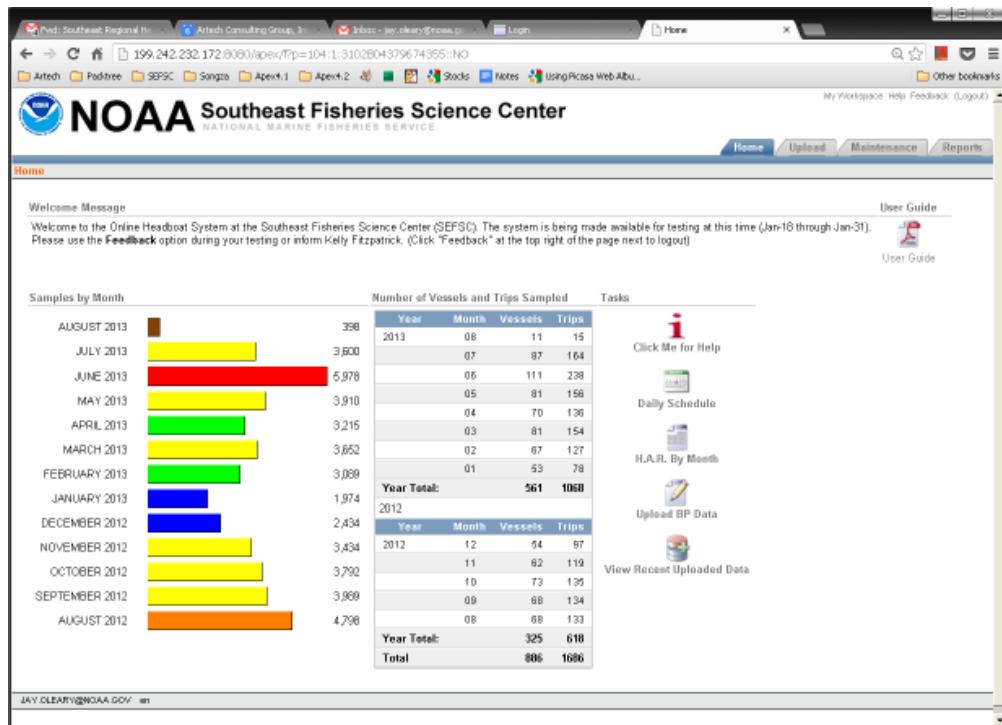
ESTIMATES				
Run	Name	Description	Edit	Group
	LANDINGS ESTIMATES BY MONTH & SPECIES	Landings Estimates by Month & Species	<input type="checkbox"/>	ADMIN

PORT AGENT				
Run	Name	Description	Edit	Group
	ANGLER COUNTS (CAPTAIN & AGENT)	View Captain reports along side Port Agent reports to compare Angler counts by Vessel, Activity Date, and Trip Type	<input type="checkbox"/>	AGENT
	PORT AGENT PORTS AND VESSELS	List of Port Agents, Ports with associated Vessels	<input type="checkbox"/>	AGENT
	SCHEDULE ASSIGNMENTS	View Schedule Assignments which have been uploaded and processed into the database.	<input type="checkbox"/>	AGENT

SAMPLE ANALYSIS				
Run	Name	Description	Edit	Group
	BP DATA REPORTS	Biological Profile (BP) Data by Year. Three report views, Primary, BP's By Collection, and BP's by Species, Year, Month & Vessel	<input type="checkbox"/>	AGENT
	SAMPLE STATISTICS BY SPECIES	Sample count by Species, year & Area	<input type="checkbox"/>	AGENT

VESSEL INFO				
Run	Name	Description	Edit	Group

"Final Report", page 10



1.5 References

- Entity Relationship Diagram (Database Design Data Model) - SRH_ERD6.txp
- User Guide - HeadboatUserGuideBasics.pdf
- Port Agent Training Overview - Port Agent Overview.pptx