

## Appendix A

### FHS Vessel Directory Variable Descriptions and Formats

## For-hire vessel directory

The For-hire vessel directory is divided in two files: directory and ineligible.

- Vessel directory of eligible vessels
  - Labeled as *dir\_w404*
  - filename convention is *dir\_w<wave><yy>*, where
    - “yy” represents the sample frame year in two-digit, *i.e.* 04
    - “wave” represents the wave number, *i.e.* Wave 4

Name	Type	Length	Description	Variable label
ST	Char	2	Charter or for-hire vessel state	State Code (FIPS Code)
VSL_ID	Char	7	FHS nominated vessel identification number	Vessel ID Number for the Survey
VSL_NUM	Char	9	Vessel registration number	Vessel registration number (CG, state registration #, etc.)
VSL_NAME	Char	35	Name of vessel	Name of vessel
ACTIVE	Char	1	If the vessel is currently participating in the charter or for-hire vessel fishery	If the vessel is currently participating in the charter or for-hire vessel fishery 'A' = Active 'I' = Inactive
ELIG	Char	1	If the vessel is an eligible for-hiring fishing boat	If the vessel is an eligible for-hire fishing boat 'Y' = Eligible
FOR_HIRE	Char	1	Type of for-hire vessel	Type of for-hire vessel 'C' = Charter boat 'H' = Head boat
VSL_LEN	Char	8	Length of vessel	Length (in feet) of vessel - Integer only
BUSICNTY	Char	5	County where the charter or for-hire vessel operate	County from which the for-hire boat operates (NMFS FIPS codes: <st><cnty>) (e.g. marina/dock location, or usual launch site)
COOP_STT	Char	1	Degree of willingness of vessel representative to participate FHS.	Degree of cooperation of the vessel 'Y' = Willing to participate in survey 'N' = Not willing to participate in survey
BST_TIME	Char	4	Best time to contact the vessel representative to conduct the survey in military time <HHMM>	Best time to contact the vessel representative to conduct the survey
LIC_CAP	Char	3	Licensed capacity of the vessel	Licensed capacity of the vessel
PERM_CAP	Char	1	Permitted capacity class	Permitted capacity class (state/agency defined classes)
PERM_NUM	Char	8	For-hire permit number	For-hire permit number (state or federal, if

Name	Type	Length	Description	Variable label
				existing)
REP_LST	Char	25	Last name of the vessel`	Last name of the vessel representative (person most likely to know about the fishing activity of the vessel)
REP_1ST	Char	25	First name of the vessel representative	First name of the vessel representative
REP_ADD	Char	35	Address of the vessel representative	Address of the vessel representative
REP_CTY	Char	23	City of the vessel representative	City of the vessel representative
REP_ST	Char	2	State of residence of the vessel representative	State of residence of the vessel representative
REP_ZIP	Char	10	Zip code of residence of the vessel representative	Zip code of residence of the vessel representative
REP_FON1	Char	9	Primary phone number of the vessel representative	Primary phone number of the vessel representative
REP_FON2	Char	9	2 <sup>nd</sup> phone number of the vessel representative	2nd phone number of the vessel representative
REP_FON3	Char	9	3 <sup>rd</sup> phone number of the vessel representative	3rd phone number of the vessel representative
BUSINESS	Char	35	Name of charter boat business	Name of charter boat business
BUSI_ADD	Char	35	Physical address for where the charter boat is docked	Physical address for where the charter or for-hire vessel is docked
BUSI_CTY	Char	23	City where the charter or for-hire vessel is docked	City where the charter or for-hire vessel is docked
BUSI_ST	Char	2	State where the charter or for-hire vessel is docked	State where the charter or for-hire vessel is docked
BUSI_ZIP	Char	10	Zip code for the charter or for-hire vessel location	Zip code for the charter or for-hire vessel location
COMMENTS	Char	50	Comments - useful in interpreting the information in the data base	Any comments that might be useful in interpreting the information in the data base
CPT1FON1	Char	9	First captain's 1 <sup>st</sup> (primary) phone number	First captain's 1 <sup>st</sup> (primary) phone number
CPT1FON2	Char	9	First captain's 2 <sup>nd</sup> phone number	First captain's 2 <sup>nd</sup> phone number
CPT1FON3	Char	9	First captain's 3 <sup>rd</sup> phone number	First captain's 3 <sup>rd</sup> phone number
CPT1_LST	Char	25	First captain's last name	First captain's last name
CPT1_1ST	Char	25	First captain's first name	First captain's first name
CPT1_ADD	Char	35	First captain's address	First captain's address
CPT1_CTY	Char	23	First captain's city	First captain's city
CPT1_ST	Char	2	First captain's state of residence	First captain's state of residence
CPT1_ZIP	Char	10	First captain's zip code	First captain's zip code
CPT2FON1	Char	9	Second captain's 1 <sup>st</sup> (primary) phone number	Second captain's 1st (primary) phone number
CPT2FON2	Char	9	Second captain's 2 <sup>nd</sup> phone number	Second captain's 2nd phone number

Name	Type	Length	Description	Variable label
CPT2FON3	Char	9	Second captain's 3 <sup>rd</sup> phone number	Second captain's 3rd phone number
CPT2_LST	Char	25	Second captain's last name	Second captain's last name
CPT2_1ST	Char	25	Second captain's first name	Second captain's first name
CPT2_ADD	Char	35	Second captain's address	Second captain's address
CPT2_CTY	Char	23	Second captain's city	Second captain's city
CPT2_ST	Char	2	Second captain's state of residence	Second captain's state of residence
CPT2_ZIP	Char	10	Second captain's zip code	Second captain's zip code
OWNR_1ST	Char	25	Vessel owner's first name	Vessel owner's first name
OWNR_LST	Char	25	Vessel owner's last name	Vessel owner's last name
PORT	Char	23	Port of operations for the vessel	Port name of operations for the vessel (marina, ramp, dry storage facility)
VERIFIED	Char	1	If the information for the vessel is verified	'Y'=Data is verified 'N'=Data is not verified
R_WAVE_N	Char	1	Wave which the vessel will begin actively participating in the for-hire fishery	Wave which the vessel will begin actively participating in the for-hire fishery
R_WAV_MN	Char	2	Month in which the vessel will begin Participating in the for-hire fishery	Month which the vessel will begin actively participating in the for-hire fishery
R_WAV_Y	Char	2	Year in which the vessel will begin participating in the for-hire fishery	Year in which the vessel will begin actively participating in the for-hire fishery
HIN	Char	25	Hull number of vessel	Hull number of vessel
GEO_CNTY	Char	12	For the sample draws to be distributed geographically across counties in a state	For the sample draws to ensure geographical distribution - this variable is assigned by draw program, but needs to be in this database.
DATE_NEW	Char	8	Date which a new vessel was added to the data base	Date which a new vessel was added to the data base YYYYMMDD
DATE_MOD	Char	8	Date which information regarding an existing vessel was updated	Date which information regarding an existing vessel was updated YYYYMMDD
P_ACCESS	Char	1	Type of access used by vessel for the wave	'1' = Private Dock '2' = Trailer or Launch Ramp '3' = Private Access Marina '4' = Public Access Marina
INTSITE	Char	4	MRFSS Site Code of vessel port	Location of Vessel (MRFSS 4-digit access-site code)
E_MAIL	Char	50	Email address of vessel representative	Email address of the vessel representative
LPS_VSL	Char	1	Indicate whether the vessel have a highly migratory permit to fish for Large Pelagic Species	'Y' = Yes 'N' = No
MD_BOAT	Char	1	Fishing location for Maryland	Fishing location for Maryland Vessels

Name	Type	Length	Description	Variable label
			vessel	'B' = Chesapeake Bay 'O' = Ocean
PERMITNB	Char	8	HMS permit number	Highly Migratory Species (HMS) permit number
REFCT	Num	2	Count the	Count the number of refusal responses
REFWAVEN	Char	1	Number of waves a vessel will be inactive	
R_ALONG	Char	1	Ride along (head-boat)	Ride along (head-boat)
VTR_VSL	Char	1	Requirements for submitting NMFS vessel trip reports	Is the vessel required to submit NMFS Vessel Trip Reports? 'Y' = Yes 'N' = No
WEBSITE	Char	50	Website of fishing operation	Website for Vessel Operation
CHNG_WP			Changes resulting from phone survey updates during wave W	Variables that were changed as a result of telephone survey updates during wave w(one complete year of changes result from telephone survey updates are included in each vessel directory)
CHNG_WF			Changes resulting from field survey updates during wave W	Variables that were changed as a result of field updates during wave one complete year of changes result from field updates are included in each vessel directory)

## For-hire vessel directory ineligible

The For-hire vessel directory is divided in two files: directory and ineligible.

- Vessel directory of ineligible vessels
  - Labeled as inelig\_w404
  - filename convention is inelig\_w<wave><yy>, where
    - “yy” represents the sample frame year in two-digit, *i.e.* 04
    - “wave” represents the wave number, *i.e.* Wave 4

Name	Type	Length	Description	Variable label
ST	Char	2	Charter or for-hire vessel state	State Code (FIPS Code)
VSL_ID	Char	7	FHS nominated vessel identification number	Vessel ID Number for the Survey
VSL_NUM	Char	9	Vessel registration number	Vessel registration number (CG, state registration #, etc.)
VSL_NAME	Char	35	Name of vessel	Name of vessel
ACTIVE	Char	1	If the vessel is currently participating in the charter or for-hire vessel fishery	If the vessel is currently participating in the charter or for-hire vessel fishery 'A' = Active 'I' = Inactive
ELIG	Char	1	If the vessel is an eligible for-hiring fishing boat	If the vessel is an eligible for-hire fishing boat 'N' = Ineligible
FOR_HIRE	Char	1	Type of for-hire vessel	Type of for-hire vessel 'C' = Charter boat 'H' = Head boat
VSL_LEN	Char	8	Length of vessel	Length (in feet) of vessel - Integer only
BUSICNTY	Char	5	County where the charter or for-hire vessel operate	County from which the for-hire boat operates (NMFS FIPS codes: <st><cnty>) (e.g. marina/dock location, or usual launch site)
COOP_STT	Char	1	Degree of willingness of vessel representative to participate FHS.	Degree of cooperation of the vessel 'Y' = Willing to participate in survey 'N' = Not willing to participate in survey
BST_TIME	Char	4	Best time to contact the vessel representative to conduct the survey in military time <HHMM>	Best time to contact the vessel representative to conduct the survey
LIC_CAP	Char	3	Licensed capacity of the vessel	Licensed capacity of the vessel
PERM_CAP	Char	1	Permitted capacity class	Permitted capacity class (state/agency defined classes)
PERM_NUM	Char	8	For-hire permit number	For-hire permit number (state or federal, if existing)

Name	Type	Length	Description	Variable label
REP_LST	Char	25	Last name of the vessel`	Last name of the vessel representative (person most likely to know about the fishing activity of the vessel)
REP_1ST	Char	25	First name of the vessel representative	First name of the vessel representative
REP_ADD	Char	35	Address of the vessel representative	Address of the vessel representative
REP_CTY	Char	23	City of the vessel representative	City of the vessel representative
REP_ST	Char	2	State of residence of the vessel representative	State of residence of the vessel representative
REP_ZIP	Char	10	Zip code of residence of the vessel representative	Zip code of residence of the vessel representative
REP_FON1	Char	9	Primary phone number of the vessel representative	Primary phone number of the vessel representative
REP_FON2	Char	9	2 <sup>nd</sup> phone number of the vessel representative	2nd phone number of the vessel representative
REP_FON3	Char	9	3 <sup>rd</sup> phone number of the vessel representative	3rd phone number of the vessel representative
BUSINESS	Char	35	Name of charter boat business	Name of charter boat business
BUSI_ADD	Char	35	Physical address for where the charter boat is docked	Physical address for where the charter or for-hire vessel is docked
BUSI_CTY	Char	23	City where the charter or for-hire vessel is docked	City where the charter or for-hire vessel is docked
BUSI_ST	Char	2	State where the charter or for-hire vessel is docked	State where the charter or for-hire vessel is docked
BUSI_ZIP	Char	10	Zip code for the charter or for-hire vessel location	Zip code for the charter or for-hire vessel location
COMMENTS	Char	50	Comments - useful in interpreting the information in the data base	Any comments that might be useful in interpreting the information in the data base
CPT1FON1	Char	9	First captain's 1 <sup>st</sup> (primary) phone number	First captain's 1 <sup>st</sup> (primary) phone number
CPT1FON2	Char	9	First captain's 2 <sup>nd</sup> phone number	First captain's 2 <sup>nd</sup> phone number
CPT1FON3	Char	9	First captain's 3 <sup>rd</sup> phone number	First captain's 3 <sup>rd</sup> phone number
CPT1_LST	Char	25	First captain's last name	First captain's last name
CPT1_1ST	Char	25	First captain's first name	First captain's first name
CPT1_ADD	Char	35	First captain's address	First captain's address
CPT1_CTY	Char	23	First captain's city	First captain's city
CPT1_ST	Char	2	First captain's state of residence	First captain's state of residence
CPT1_ZIP	Char	10	First captain's zip code	First captain's zip code
CPT2FON1	Char	9	Second captain's 1 <sup>st</sup> (primary) phone number	Second captain's 1st (primary) phone number
CPT2FON2	Char	9	Second captain's 2 <sup>nd</sup> phone number	Second captain's 2nd phone number
CPT2FON3	Char	9	Second captain's 3 <sup>rd</sup> phone	Second captain's 3rd phone number

Name	Type	Length	Description	Variable label
			number	
CPT2_LST	Char	25	Second captain's last name	Second captain's last name
CPT2_1ST	Char	25	Second captain's first name	Second captain's first name
CPT2_ADD	Char	35	Second captain's address	Second captain's address
CPT2_CTY	Char	23	Second captain's city	Second captain's city
CPT2_ST	Char	2	Second captain's state of residence	Second captain's state of residence
CPT2_ZIP	Char	10	Second captain's zip code	Second captain's zip code
OWNR_1ST	Char	25	Vessel owner's first name	Vessel owner's first name
OWNR_LST	Char	25	Vessel owner's last name	Vessel owner's last name
PORT	Char	23	Port of operations for the vessel	Port name of operations for the vessel (marina, ramp, dry storage facility)
VERIFIED	Char	1	If the information for the vessel is verified	'Y'=Data is verified 'N'=Data is not verified
R_WAVE_N	Char	1	Wave which the vessel will begin actively participating in the for-hire fishery	Wave which the vessel will begin actively participating in the for-hire fishery
R_WAV_MN	Char	2	Month in which the vessel will begin Participating in the for-hire fishery	Month which the vessel will begin actively participating in the for-hire fishery
R_WAV_Y	Char	2	Year in which the vessel will begin participating in the for-hire fishery	Year in which the vessel will begin actively participating in the for-hire fishery
HIN	Char	25	Hull number of vessel	Hull number of vessel
GEO_CNTY	Char	12	For the sample draws to be distributed geographically across counties in a state	For the sample draws to ensure geographical distribution - this variable is assigned by draw program, but needs to be in this database.
DATE_NEW	Char	8	Date which a new vessel was added to the data base	Date which a new vessel was added to the data base YYYYMMDD
DATE_MOD	Char	8	Date which information regarding an existing vessel was updated	Date which information regarding an existing vessel was updated YYYYMMDD
P_ACCESS	Char	1	Type of access used by vessel for the wave	'1' = Private Dock '2' = Trailer or Launch Ramp '3' = Private Access Marina '4' = Public Access Marina
INTSITE	Char	4	MRFSS Site Code of vessel port	Location of Vessel (MRFSS 4-digit access-site code)
E_MAIL	Char	50	Email address of vessel representative	Email address of the vessel representative
LPS_VSL	Char	1	Indicate whether the vessel have a highly migratory permit to fish for Large Pelagic Species	'Y' = Yes 'N' = No
MD_BOAT	Char	1	Fishing location for Maryland vessel	Fishing location for Maryland Vessels 'B' = Chesapeake Bay



Name	Type	Length	Description	Variable label
				'O' = Ocean
PERMITNB	Char	8	HMS permit number	Highly Migratory Species (HMS) permit number
REFCT	Num	2	Count the	Count the number of refusal responses
REFWAVEN	Char	1	Number of waves a vessel will be inactive	
R_ALONG	Char	1	Ride along (head-boat)	Ride along (head-boat)
VTR_VSL	Char	1	Requirements for submitting NMFS vessel trip reports	Is the vessel required to submit NMFS Vessel Trip Reports? 'Y' = Yes 'N' = No
WEBSITE	Char	50	Website of fishing operation	Website for Vessel Operation
CHNG_WP			Changes resulting from phone survey updates during wave W	Variables that were changed as a result of telephone survey updates during wave w(one complete year of changes result from telephone survey updates are included in each vessel directory)
CHNG_WF			Changes resulting from field survey updates during wave W	Variables that were changed as a result of field updates during wave one complete year of changes result from field updates are included in each vessel directory)

## Frame File

The frame is divided into two files: Good list and Bad list.

## Good List File

The good list file is labeled as gdsc044, and the filename convention is <gd><st><yy><wave>, where

- “gd” represents the acronym of type of file, *i.e.* good list
- “st” represents the sample state, *i.e.* SC which is South Carolina
- “yy” represents the sample frame year in two-digit, *i.e.* 2004
- “wave” represents the wave number, *i.e.* Wave 4.

Variable Name	Variable Type	Variable Length	Description
BAD_FLG	Num	1	Any bad flags (NO = 0 on all records)
FOR_HIRE	Char	1	C=charter boat, H=head/party boat
GEO_CNTY	Num	8	If geo_cnty specified in register
LIC_CAP	Char	3	Capacity in people licensed for (a number)
LRG	Char	1	Size category within vessel type A=unknown, B=small, or C=large
NVSL_LEN	Num	3	Boat length in feet
ST	Char	2	State of survey frame
VSL_ID	Char	7	Unique Vessel Identifier
VSL_NAME	Char	35	Vessel Name
VSL_NUM	Char	25	Vessel Registration Number
VTYPE	Char	1	Same values as FOR_HIRE

**Note:** This file was generated by the sample selection program from the Directory as of July 2008.

### Bad List File

The bad list file is labeled as bdsc044, and the filename convention is <bd><st><YY><wave>, where

- “bd” represents the acronym of type of file, *i.e.* good list
- “st” represents the sample state, *i.e.* SC for South Carolina
- “yy” represents the sample frame year in two-digit, *i.e.* 2004
- “#” represents the wave number, *i.e.* Wave 4

Name	Type	Length	Description
BAD_FLG	Num	1	1=Yes, at least 1 key variable missing
FH_FLG	Num	1	For-Hire variable (C/H) missing or out of range
FON_FLG	Num	1	Representative’s phone number missing
GEO_CNTY	Num	8	If missing (generated based on coastal county) then out-of-range record
NCST_FLG	Num	1	County of operation is NON-Coastal
ST	Char	2	State of survey Frame
ST_FLG	Num	1	State of operation is missing
VSLIDFLG	Num	1	Both Vessel name and registration number is missing
VSL_ID	Char	7	Unique 7-digit vessel identifier
VSL_NAME	Char	35	Name of vessel
VSL_NUM	Char	25	Registration number of vessel

**Note:** This file was generated by the sample selection program from the Directory as of July 2008.

**Draw file**

The filename convention is <st><type><yy><wave><week>, where

- “st” represents the sample state, *i.e.* South Carolina
- “Type” represents the type of charter boat, *i.e.* “1” =head/party or “2” =charter
- “YY” represents the sample frame year, *i.e.* 2004
- “#” represents the wave number, *i.e.* Wave 4

Name	Type	Length	Description
ACTIVE	Char	1	Vessel activity status for the wave (A=Active; I=Inactive) “1” =Inactive “0” =Active
ACTV_FLG	Char	1	Inactive Flag “1” =Yes “0” =No
BUSICNTY	Char	5	FIPS coastal county of operation
COOP_STT	Char	1	Cooperating with survey Y = yes N = no
FH_FLG	Char	1	For-Hire value missing or out of range “1” = Yes “0” = No
FON_FLG	Char	1	Representative’s phone number missing “1” = Yes “0” = No
FOR_HIRE	Char	1	For-hire vessel category C = Charter H = Head/Party
GEO_CNTY	Num	8	Coded value for geographic county of operation - program generated
LRG	Char	1	Boat size category A = unknown B = small C = large
R_WAVE_N	Char	1	Wave in which boat will become Active
R_WAV_MN	Char	2	Month in which boat will become Active
ST	Char	2	State of Vessel Frame/Sample Draw
ST_FLG	Char	1	State of operation missing “1” = Yes

Name	Type	Length	Description
			"0" = No
VSLIDFLG	Char	1	Vessel name and registration number missing "1" = Yes "0" = No
VSL_ID	Char	7	Unique '7" = digit vessel identifier within state
VSL_LEN	Char	3	Vessel length in feet (no decimal)
VSL_NAME	Char	35	Name of boat
VSL_NUM	Char	25	Registration number of boat
INTSITE	Char	4	Location of vessel

**Note:** This file was generated by the sample selection program from the Directory as of July 2008.