Harbor Porpoise Aerial Survey (HPAS) AS data format, as recorded by program PHOCOENA.COM

Last updated: 3/10/2020

Sample DAS section (starts below column indicators)

0		1	2	3	4	5		6		7	
12345678901200000000000000000000000000000000000											
		10/0/00	1.6 0 01			700					
Т	71				W122:47.49	700	23				
V	72	10/ 9/90	±0. 3.0±	N37:57.20	W122:47.49	700	р	р	е	е	g
Р	73	10/ 9/90		N37:57.20	W122:47.49	700	49	43	41	40	
Α	74	10/ 9/90	16: 9:31	N37:57.20	W122:47.49	700	700	100			
W	75	10/ 9/90	16: 9:31	N37:57.20	W122:47.49	700	n	0	1	8	2
*	76	10/ 9/90	16:10: 1	N37:57.22	W122:48.49	700					
W	77	10/ 9/90	16:10:12	N37:57.25	W122:48.84	700	n	0	3	11	2
V	80	10/ 9/90	16:10:33	N37:57.33	W122:49.55	700	р	р	g	g	g
E	81	10/ 9/90	16:11: 1	N37:57.46	W122:50.43	700					
С	82	10/ 9/90	16:12: 1	N37:57.77	W122:52.35	700	off	effort	, low	clo	uds
R	83	10/ 9/90	16:13: 1	N37:58.04	W122:54.33	700					
S	84	10/ 9/90	16:13: 1	N37:58.04	W122:54.33	700	2	pp	1	47	41
S	85	10/ 9/90	16:13:10	N37:58.08	W122:54.66	700	3	pp	4	55	43
*	89	10/ 9/90	16:17: 1	N37:58.97	W123:02.00	700					
W	90	10/ 9/90	16:17:14	N37:59.02	W123:02.40	700	n	0	2	11	2
S	91	10/ 9/90	16:17:54	N37:59.19	W123:03.67	700	4	dc	1	61	41
*	92	10/ 9/90	16:18: 1	N37:59.22	W123:03.89	700					
С	93	10/ 9/90	16:18:26	N37:59.32	W123:04.67	700	turtl	e was	large		
*	94	10/ 9/90	16:19: 1	N37:59.50	W123:05.74	700			-		
S	95	10/ 9/90	16:19:51	N37:59.75	W123:07.37	700	5	pd	2	45	40
0	97	10/ 9/90	16:20:42	N38:00.02	W123:08.97	700		-			

Columns	s Item	Format
1	Event Code	#
2	Blank	#
3-5	Line number	###
6-7	Blank	#
8-15	Date	MM/DD/YY
16	Blank	#
17-24	Time	HH:MM:SS
25	Blank	#
26-34	Latitude	NDD:MM.MM
35	Blank	#
36-45	Longitude	WDDD:MM.MM
46	Blank	#
47-50	Altitude	####
51-55		
56-60		
61-65	Data fields. Information is event	-code specific, according to key below. All
66-70	data except comments are RIGH	Γ JUSTIFIED within the 5-character field.
71-75	ノ	

Event code	Col>50	Description/Key
* = Auto-position		Automatically logged position (every minute)
C =Comment	51-132	Notes, corrections, etc
E = End effort		Temporary end effort to circle, go over land/clouds etc.
R = Resume effort		Resume from temporary end effort
(Cont'd)		
Event code	Col >50	Description/Key
O= Transect End		Use to signal end of transect lines
T =Transect Start	52-55	Transect # (up to 4 numeric characters)
W.W C. IV.		
V = Viewing Condition	E1 EE	E=excellent, G=Good, P=Poor, O=Off
	51-55 56-60	Left inside (<35 degrees)
	61-65	Left outside (>35 degrees) Belly
	66-70	Right Inside (<35 degrees)
	71-75	Right Outside (>35 degrees)
	71 73	right Outside (>33 degrees)
P = Observer Codes		2-character initials (unique)
	51-55	Left Observer
	56-60	Belly Observer
	61-65	Right Observer
	66-70	Recorder
A = Altitude/Speed	51-55	Altitude in feet
1	56-60	Speed in knots
W Wastless/Essa	51 55	
W = Weather/Env.	51-55	H=Haze/K=Kelp/N=None
	56-60	(Priority when more than one present: K > H > N) % overcast BETWEEN SUN AND VIEWING AREA
	61-65	Beaufort sea state (0, 1, 2, 3, 4, 5)
	66-70	Horizontal sun (Clock system, $12 = ahead$, $6 = behind$)
	71-75	Vertical Sun (4 =straight up, 1 =high, 2 =med, 3 =low)
S = Sighting (Mammal)	51-55	Sighting number (numeric, rarely with characters)
	56-60	Species code
	61-65	Number of animals (best estimate)
	66-70	Declination angle (LEFT = negative)
	71-75	Observer code (numeric; later initials/characters)

SPECIES CODES:

Recorded using 'Sighting' key (F2)

Large whales

PM Sperm whale

MN Humpback whale

BM Blue whale

BP Fin whale

ER Gray whale

EG Right whale

BB Sei whale

BE Bryde's whale

UB Unid. baleen whale

LW Unid. large whale

Medium-sized whales

BD Berardius bairdii

ZI Ziphius cavirostris

UM Mesoplodon sp.

MC Mesoplodon carlhubbsi

UK Kogia sp.

BA Minke whale

SW Unid. small whale

Dolphins/Porpoises

PP Harbor porpoise

PD Dall's porpoise

DD Delphinus (unspecified)

DS *Delphinus* (short-beaked)

DL *Delphinus* (long-beaked)

LB Lissodelphis

LO 'Lags' / Pacific white-sided

GG Grampus / Risso's

GM Pilot whale

OO Killer whale

UD Unid. dolphin/porpoise

Pinnipeds/Fissiped

PV Harbor seal

MA Elephant seal

EJ Steller sea lion

CU Northern fur seal

EL Sea otter

PU Unid. pinniped

US Unid. Seal

[ZC CA sea lion - Not recorded]

Other

M1 Small Mola mola (<2ft)
M2 Medium Mola mola (2-4ft)
M3 Large Mola mola (>4ft)

Recorded using 'Turtle Sighting' (shift-F4)

Turtles

DC Leatherback

CC Loggerhead

CM Green Turtle

UH Unid. hardshell

Miscellaneous (Recorded in comments)

ALBF Black-footed albatross

FB#x Fish Ball (e.g. fb1m, fb10s)

Sharks - comment

JFx### - JF species & % composition

(x = C for Chrysaora, M for moon)

jelly, E for egg-yolk jelly, and

O for other)

(e.g. JFC080 JFM020 for 80%

chrysaora, 20% moon jelly; record whenever species composition

whellever species con

changes.)