7530-00-222-3525 FEDERAL SUPPLY SERVICE

Here is the list which is published in the Navy sonobuoy manual with the asterisked channels prohibited as noted.

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 red	49.12	149,500	49.87	50.25	50.62	51.00	51.37	51.75	52.12	52.50	52.87	53.25	53.62	54.0C	54.37	59.75	55.12	55.50	55.87	56.25	56.62	57.00	57.37	57:75	58.12	38.50	58.87	9.25	39.62	00.00	0.37	0.75	1.12	
Channel	. 67	89	69	70	71	72	73	74	75	. 76	77	78	79	. 80	81	82	83	84	85	86	87	88	83	06	91	92	93	94	Q RJ	96	97	86	66.	
ĸě	36.7	137.875	37.5	37.8	38.2	38.63	39.00	39.3	39.7	40:12	40.50	40.87	41.25	41.62	12.00	12.37	12.75	13.12	13.30	13.87	14.25	14.62	15.00	5.37	5.75	6.12	6.50	6.87	7.25	7.62	8.00	8.37	8.75	
Channel	34	35	36	3.7	38	39	40	41	42	43	44	45	46	47	48	49	50	21	52	53	54	. 22	26	57	58	63	09	61	62	63	64	65	99	
 ц	62.2	163.000	63.7	64.5	65.2	66.0	66.7	67.5	58.2	9.00	59.7	70.5	71.2	72.0(	72.7	73.5(	52.62	33.3	54.12	4 8	5.62	6.37	7.12	7.87	8.62	9.37	0.12	0.87	7.62	2.37	3.12	6.00	6.37	•
Channel	*	7	m	47	* 'M	9	7	8	o,	10	11,	12*	13	14	15	16	17*	m	10*	20	21	22	23	-12	<b>25</b> *	ري وي	42	28	59	30	31	32	м М	• •

these channels prohibited within 200 miles of the coast

## ORCAWALE 2001 Acoustics Sonobout Log

Lear black some (west small rate)

SHE Species

Date

Species

DAT Tape#

LAT/LONG

SONOBOUY TYPE (ex, 53 D)

Settings (Channel, time, depth)

TIME Deployed (Lapprox distance from animal)

TIME Updates: animal location, vocal activity,

receiving strength (in bars)

TIME Start /stop monitoring

- try to write only on right hand side

- leave at least I blank page after entries

- leave more blank pages if tape needs to

be re-monitored

5#30 Seinhale

8.04.01 Orcawale SB1

53B 5845-01-155-0151/8W62 Ch87 8hrs 90ft AN/SSQ-53B, 10T049 0936 Bovy deployed Inni & behind us

DEAD BOUY

(monitored until 0955 - still dead)

Morros Date Date Spire Spire

A Check Toiscam 7 1:15:39->1:23:58
Odd sounds (vocals?) as we were approaching The whale

5#30. Sei Whale

8.0401

53A LAV-1114 NOO163-82-C-0070 MNFG# 37695 Ch28 90ft 4hrs

O940 Bouy deployed - animal ~ Inmi behindus ~ Good signal (Start recording O941 Animal is 1/2nmi off port beam O941 Now going to CS Ch 28 L (good) Ch 87 R (dead) Not monitoring now, need to re-lister until note

Don THE Day 50 - ish soveled len only published in a voor

OFFICE - WI OUT FOR A FORD SECONDS

0955 Poss LF upsweep to 95 Hz (7min ~20 Sec) Ch 28 3-4 bous, Ch 87 1 (bad soil) (Screwy monitoring Problems —) remonitor to Dat Time 11:28 sec)

10

11:35 Knowle I Whie 244 hor mological . Dia o in the case of you was a de partir de la ballación de 12:29 Ship hoise stopped removito, 10:02 - Dat Brin Ch 28 R&L Channels 2 Ch 28 3 bars 10:07 Possible LF Knocks? 10:08 Pa Upsney to 6/Hz
Padio Interference - GRRR!!! 10:09 Quiet Again - 2= 1-7 bars 3 getting more static, losing reception 10:12 Ship is turning (??) & reception got better 10:15 We are about 4 nmi from bouy drop & we may be losing our reception. -> getting more state 10:21 Static Band - Stop Monitoring Now (Keep recording

Check Fascas

5#30

Sei

Doct TIME

10:12 - whood some me

11:14 Knock - but on other Channel?

11:23 knock - There don't was

sonobouy #2 con't

(remonitor first 12 min of DAT)

8.04



S#76 Olorca & M. navigneliae 8-12-01 601 45° 45,70 N, 124° 10.77W 1 5857 Ch 14, 90', 8hrs 5845-01-289-90 72 8W73
RN/559 57B/14 LOTO31 ORCAWALE SAZ Elus 8hrs Start DAT need cases for lot # 1321 Deploy Bory 15° 15.70 N somo brury in H20 S# 70, 00 1328 Start Monitoring There have been EC & Squeels & love (chockers (MN?) 1335 Giving 12 reign of These goys-not getting many vocals need to re-do This > 1 bar now losing signed 1425 Stop recording-has not had original in a long time I There was a large contains ship 10-15 min from the location of the bory arge



& Both Biopsies and Thoms in This single Fin Whale

5#98 B. physalus 47°7.66N, 127°56,04W 9-3-61 Tape# SB3 SB53 ANISSQ53A 8W49 NOO16382C6070 LOT 20 Ch 20 4 mas 90'

1754 Boux tossed, start recording -> 600 d Bouy Bouy was tossed -400m of our box (probally w/in 500m, not sure) Ship noise BAD

1758 whale resurfaced 400-500m from sonobuoy was! (but ship moise very loud) ~ 05.57 corage 200 - 4 puises ~ 400 Hz (-1800)

1810 Ship noise a little better now (we are ~3/4 uni from boy) (2248 an OAT) - possible signals @ 111 Hz

(1818) - Going buck to US now 3 barseach 1823 - we are now on CS - should be going by me animal Again in a lit?

1125 - Poss upsmej 60-117 (30:47 DAT)

1976 9742? (32.18) - hard to tell , may be something? 1830-back up to 6 bars ( Think me bouy is - Inmi starboard)

1429 - we we now ~ 2 now from buoy (2-3 bars

\* need to re-check shift @ 200 - 250 - some lec mound.

not sure who they are? May knois?

1946 PULLOUIS-48842 (51:30 ish) (53:40) 1851 Journes ~ (20HZ - (56:40), (57:46) (58:39)

1854 - More sornas now - 1:01:00



5#98, con 8

9-3-04

1855-5tacting to lose reception (1 box each)

> more if pulses, much (all?) related to losing reception

1900-Stop monitoring (reception getting bad)

will keep recording

> Bouy is just over yami to our stan



1014 8ho 7 1014 8ho 7 101550 57A 8W60 100 16354 C 0010 407 602 MER 82268

Ch14 906+ AN 550 53A 8W49 N60163-82-C0070 LOT 18 MAR 37695 St. 179 Blue Whale 42° 48.67 N, 124°39.69 W Sonolvory Ch14,90 ft (53D)

9.21.01 SB4

0952 Leopped Lovy win 14 min of whole 0953 30R net 15 - whole position

1003 Sust non started nicon 1003 Blue Whalf 70° 2-25 ret 1004 - CS

DATI2:30) - POSSO - 1 - 1 - MARIA 1020 - 1-2 bains 121 - Ship training a consultation

1011 - Ship to many plant of are appeared to the state of the last of the last

\* There were a million sight process other to hates the prevent

This arrival was feeding the mould have when the avoided we have

9/21/01 5#179 - Spanlar Remonitor DATTIME 75 Hz Moan ? - 1. I sec demartion w/ possible 80 Hz component beford wording there a destruct eitherted 170-180/8pswag = 1.8 sec du contrôn 12:00 12:20 75 82 Hz wrong 1.7 sec deceation Z Upsucops? @ 206-22142, 1:780 13:50 19242-2164243417850 and 1934 19:56

(nothing else)

on This tape, but they may be here have here a lot of whates his sack of persible sei & minimack of persible sei & minimack of the many back of the history was a many be more

6

AN 55Q 53B 360 NOOLU3 -1002 LOT 049 MER 3/015

PNOTE

5#189 B. musculus
43 5.11 N 124°31.50 N
Ch 8 90 H 300 (2)
63 B

1332 Colon Recovered for Each Son

BAD 12

7

5#200 B. musculus
536, 427

92101

AN559 53B 000000 NOOLB 17-C-CCC 2 LOT ON 1 1111 37612

> About he out of no necessary

Chi4
ANISSQ 53A 8W49
N00163-82C-6070
VOT 28 MFR-37695



6

9,24.01 SONY DAT

S#232 B musculus Un/long 41 Sh.46/ 128°07/4W Ch14

1857 Bouy deopol 1857 Start Recording Ly It looks like it-enfed up working after a few minutes, but not real well - but not great reception

See notes next page (2nd buoy on this syltrip

Animal we Todd says that this is the type of they get on recording to the party of the party of the party thought of the party of the party that they get on recording the top the party of the party of

70

Cha7 1906+, 4hno AN/SSQ 53A 8W49 NOO163-82-C.0070 LOT 28 MER 37695



See previous page Lor Lat (Loro)
2 nots on Anthrop Frenanco)

NOO TO RECITECIO!

2nd borry

5#232 B. Musulus
(see prev. page)

9.24.01 Sony Dat

1858 2 Lovy in far 066 1902 Ch 27 (red) 3-4 ban Ch 14 (white) 2 bars

we are I nou fear boys I whale I

hearing both channels-(Mink both us god oges)

1906 Moan? 212Hz~ 0.75 sectory (09:18 Des music)

Doorreal sure Many need to the monitor

1912 / Think we are approached body-gotting

hoisies love are moneyers top/002)

1927 (30:33) Possible Sound? - Pusine-2sec

1731 ch 27 2 base Ch 14 lour

11 (937) (628) POOT RESERVO DE RESERVO

Review 06	
Softing #232 Sto Tape #5	
Time References CAR Atime Juntages:	
\$ 0315: 101/2 pulse"? Clau (Robb whomas double)	
La Mais Inderference ?	entropy of the control of the contro
1047 , 248-323 = 3 Sec d Surp. Stronger on Right Charnel	
12:55 1 = 55-329 2 sec denuy fail both charreds	· · · · · · · · · · · · · · · · · · ·
3406: 58->33 & 20 down & both changes (water spiral on both)	<u>.</u>
LOUIS SAN CONTROL CONT	
	* (1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
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AND THE STATE OF T	TO THE STATE OF TH

S性型组织 125,88N, 12157.04 (64.90) 19 IT SUNK 23/0 The second secon

a Division - Go - 130 Pa Grand and SMANY LE DOWNSWEETS EVERY ELDISECPNDS THE DAMAGIAN TORE + ravela And we Train 1930 300 A gradence sign a 1973 a =3677 PERMINARY DUT SATE JECONARY

1.69.33-2321 - E. J. S.E. J. - L-3 louis in continu

and the same of th 

M. Novenglia Hyy3; Hyyy 4/25/01

SG 1241 L Propped 574 - Channel3

Seems 10 be Dud 34° 22.5 122° 44-9 36° 22.6 Channel 27 1245-L 1220 45.4 I working!

S# 272 Engineering 1865 SE IN BOLD VELILL BO LONGER AND CONTROL (320) Flored Leon Hill 1841 John Phat Wyman will still record per it weils

1

S#291 B. MUSWIUS

Shrandist L

DATE FINE

5 O.L.

M-RELPI

	Soil Dournessee 25 to 12 12
A CONTROL OF THE CONT	Comment of the second of the s
	08. 36 U Marsure, - 30-13 PZ
	08: 50
	30:00 22 22 22 23:00 23:0
	37:42 LE Donnique
	331SP Lican Con File Spreng Sing
	37:951 Of Companies (1986)
	(41.35 - Reaption 127 012)



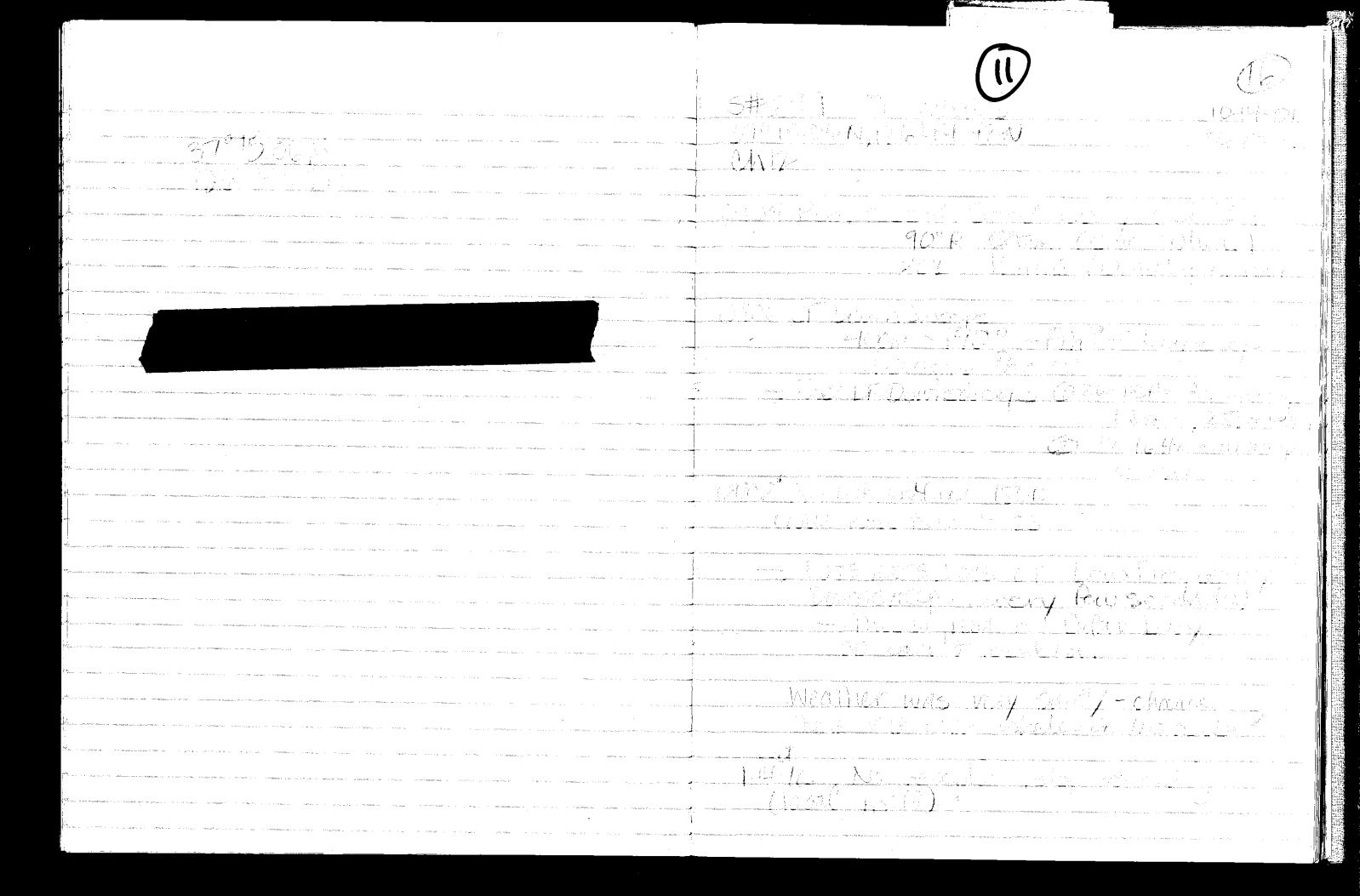
5#291 B. MUSCULU-

BAD BUOL



5#291 B. musculus

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	1. 1.200 162 55 82 1/02 n. 1710
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e de la composition della comp	



BAD Buoy -no float no reception

5#311 O.orcas

10.20.01 SBDAT 12

DO NOT HAVE SPECS

0912 Good buoy, start recording animals -100m of starboard law (not monitoring now)

monitor

0922

0928 15:00-BUDY JUST DIED

buoy comes à goes

1026 - going back to CS - animals weren't moving Much, need to re-lister to all of This 1036 - according to The map, buoy should be -1-1.5 mi of 5+6d gtr

1100 - buoy reception is lost



VOCALS

-all below

1 KHE

Constraint to the Militer was as Both Buddings , ped stip noise 16:00 - Brog Lessephon of the Section 17/10 receptor defler / good Char cours Igoes u italian aismaha basi sijam u sun **s**asa sesie tatus sasa. 1969 receible and in pairing 28:56 IShip noise using loud again, and reception /studio .... bad as well But Figure Live All March Sail Option District Property of the 1:00.00 reception actions bad a gain 1313144 08042 W/ Hammanics - 121900 (1) 113156 2 2 840-95272 1 W/ Hzvravice 1112559 11 - Palent 2003 120 120 120 120 120 120 120 1:14:30-18 Canother Quit av (seen, not heard) TO INCOME HE DESCRIPTION OF THE RESERVED AND annot beller - -1:30:32 possible Front 2:2 <1/42 Commence of the Commence of th 5 several more Lopp mariting (a)

a Arms Discussion Inc.

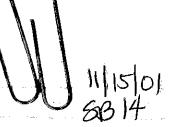
(3) (4)
MINUCE MARCHE
45°14N 126°56' W 12 1740 (cs in pary tosseed 157 book) 1740 Simply Residence 11817 - VATTHATE 0814 - 1-2 bas mospilles 1807 Liver Build back by an fellow 27:09 Brassell 712 3007 Chris - Sand 45° 13.741N, 126° 55.858 -- Buoys and Course, 1 24

10:25-01

SBB

5200 Stop Recoding (1831)





1449-now reception on the buoy
Yes! vocals!!
Aniarels 50° left (72 animels, 100 least 2 mole)
Signel is in Lort

1705 Diggel Ch23 bowwlin 50-100 mobanines

SI B. musculus 33°50.45 N , 125° 5652 W Good avoy 0835. Ch26 booy in -0.45 nmi from animal -3 min after it did a terminal dire (sont recording) Ch 67 906+ 8ms 630 -Bud buoy 0839 Mous de - mulcadin book 1000 ( 180°, 18 ret 0902 2nd buoy deepped near terrino dired, A 1001 Changed both to Clark (16ar) Re-examine by S. Rankin on 11/19/01 BOT - LOUD SHIP NOIS 0106:00 -SHIP MORE ALDINE BETTER 0:25:00 - rode 50 par 0:35:30 - et die sie git more radiiente, ference - 57.18 ho vocal - will gire it to movements OWNER NOTHING - STOPPED LIQUIDICUTE (BUT STILL RECEPOING

Ch 26

11/18/01

SB15

34. 45.5 M 6 1741 Louis 136° 50 7 W 130 68 4 Chancel 26 120° 57 - 1

ÉVENING SONOBUOY

11/23/01 SB 16

-OFF DOING CONCEDNOWN MAINS HUMPBACKS SEEN near Sightings # 438: 439

1741 Chil4 book dropped, producing Cotar recording 1807 (Ibar now -> Great Sons !! Maring Phrasilyour

1817 : All heavy Maches and sound more distant

I to st charmed versed on in Charmel "II" lest sonobuy 6 = 1820 (57600)

317 454 G 1821L

Oras labora de de

1528 Gorns book to receiving. Si316 on both chartness (5 4 burg)

18 25 34°45 4

1822 - Kenney in term Ha

1833- Stoned Maring

- Dhw Sombuoy Channel 21 Jorobry # 17 34.45.6 8 1856 Zocal 1200 58.8



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	Evano
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	1955

11/23/11 My Sonobnog cont my in grade for the second way songling sound associated - supressed shripus H Backeryet I story sunshot lila sound our biological I delieve SHILL NO HAROLD LANGERS May at my Shirty King Finally Conten Hobart Still strong! May have what may ?? and he would be something of the say? Laving more High Gog verile from Il backs. 19918 - Maria La con Switch Geller man what I do suffer and of (150 ma) part of 1/20 1 sold of growth or a 2003 (1:58:3002) Lightryway way as partity song. Back around to what I out end of song. hundred species last 2 ranged of some endof lots 2008L'state, sew tapes 58# 17 continued

≈ 5-6 mble from busy-

20 25 7 x,

200 de aloga - more new phrases?

1

M novemplial 4443: 4444 U125/01 36° 22.6'N, 122° 45.4°N SB18 Cha7

36°225' } 6 1241 L Dropped 52A - chand 3 122°44.9 Seems to be Dud!!

(3)

36° 226' 3 6 1245L Dropped 53 Channel 277
122° 45.4 ) Dorking!

Sonobusy dropped man # 443 which is Mothylady pair

[259L: Still no rocals heard, relatively quet!

1302 · clicks heard - Spermuhates I think -

135 Loude d'des

36' 23.5 3 131/L 1 bar, occasional static notice

1312 still-hang yout clicks

13421 Stopped ouconday - too much noise !!



S#452 B. muswlus 11/26/01 37 02,303 125 51.474 SB 19 Ch 21 9067, 8hms Ch21 Single Blue Whale Good photos (both sides) 1649 Buoy Desed - good buoy, starthecording 1500 (upin ~ 13 nmi of blue whale)

What ship LARZ are heading ~ 1350 magnetic \$ 1700 (6:06pm)-possible start record? 1 0:12:28 - fair 90 tz pulsing (A"?) -7 too faint to be our animal? (0:21:19 - possible PM chak? hard to tell w/LF buoy?!?) \$ 0:29:54 - Still hearing some Sperm whales? nothing nothing nothing 0:37-ov-shopped here for now 0:37:00 start monituring (again) 0.51:00 -odd Enodein (?? no Jun 1:00 7) 1-50042 I cannot her in this come & 13 not very were to 3pin - 0152.34 Lynada, stop monitoring altogether, but keep recording

St 454 0. or ca

Ch 26

36° 45.999 124° 32811

1248 Proof tosed, start recording

buoy fading in 8 out -1 don't Think it

is good (in between state I have

1303 Toesed Influer ch21 36° 46.132,124°31.58 This broy 1001cs but, too Ch26 (right) un21 (169)

BAD BUOYS (both of tem)

-> delète recordi

S#456,457 M. novianglice (21) Ch 15 11/27/01 SB20 36°43.652,124°23,508 MAR (106 hoading) 1410 Ch 15 -> bad 600y (57) 1412 Ch 26 (53) to GY S, 7 Good booy (~1/3 nmi from whole (048:50)-NAT TIME 36° 43.507N 124°22.844W

[Ch 15 to right Channel Ch 26 left Channel]

PAT (0:00:00) no vocali no far, will monitor later (just hear the?) 10 DAG Tape Reviewed by LAM - Nothing hard -no H-backs -

Ch27 53 90 F, 8412

3# (4P) M. noviablea Evening gonobuoy-after e fort 35° 18. 883, 122° 12.627°

11/28/01 Lelete

\* Many humphacks today, lossed a broy after end of effort

Not thrown on a particular signing, just happy to get since song

It is a beautout 6, but low sea height (high winds ~25 knots)

1635 hung in looks good start recording

DAT TIME

0:04:00 5-6 bars, Ch 27 on left/right -ship noise loud

0:18:00 Nada softer

1:00:00 - no vocals Delete Recording

NO VOCALS