

THIS SIGN IS
U.S. GOVERNMENT
PROPERTY

HELLO

L43 AMAZING Monday
RETURN - DEC. 20/04

"T-CONDO let
1/2" " Electrical
BOX

GEORGE BALAZS

Honulani II alco™
Composition Book

Name _____

School _____

Grade APRIL 2004 - July

Wide Ruled 66.8.225.163 2004

9 3/4 x 7 1/2 in. 100 Sheets
(24.76 x 19.05 cm)

BALAZS (808)
286-2899
FIELD NOTEBOOK

Marine Turtle Research
NOAA NMFS PIFSC
2570 Dole Street
Honolulu, Hawaii 96822

THIS SIGN IS
U.S. GOVERNMENT
PROPERTY



6/2-8/21/04
Seawater Temp. data = p. 38

L3, L5, L6
pictures SYMBOL
with DISKS
DATE page 40-

CLASS SCHEDULE

NAME _____ SCHOOL _____

ADDRESS _____

PERIOD	MON.	RM.	TUES.	RM.	WED.	RM.	THURS.	RM.	FRI.	RM.
1	APRIL 1, 2004				p. 30					
2	JULY 1, 2004				p. 52					
3										
4										
5										
6										

Marine Turtle Research Program
NOAA NMFS Protected Species
gbalazs@honlab.nmfs.hawaii.edu



Honulani- "Home of the Heavenly Turtles"

Located alongside Kamehameha Highway near
Pohaku Loa Way, two miles east of Haleiwa.
Hawaiian green turtles commonly come close to shore
here to feed on seaweed. Please enjoy their company
without disturbing them.

Photo shows two honu with computerized dive recorders
sleeping on the beach at Honulani, adjacent to the
Laniakea surf break on
Oahu's North Shore.

AS OF 7/26/CAMERA RESTRICT: 668-225-163

DATA sheets for Peck Cove & Honolulu Iki - April 1, 04 = p. 31-37

Roger DAINARD Cell- 348-5025



Sea Turtles in Trouble?
Stranded Ashore Sick or Injured?
Report cases to NOAA/NMFS
983-5730
Authorized Federal Agency
See <http://www.turtles.org/nmfs>
or Request Literature 983-5730

8686 Long Shan

Hon LAB

PVC BEACH MAT



new owner late July 04

David Kahn
3093 Clairemont Dr.
San Diego, CA 92117

858-354-5491

Realtor
Richard STERMAN 637-8600

Microsoft Internet Explorer

Version 6.0.2800.1106

XPS P2.030422-1633

Based on NCSA

MOSAIC

Date: Mon, 23 Aug 2004 11:18:51 -1000
From: Russell N. Price <rprice@honlab.nmfs.hawaii.edu>
To: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
Cc: Shawn Murakawa <smurakaw@honlab.nmfs.hawaii.edu>
Subject: Re: Camera controls won't work

To figure out what version of Internet Explorer you have, start up IE. At the top of the window, click on the Help menu, and then on "About Internet Explorer". A panel will pop up telling what version it is.

BTW, Shawn gave me a power supply to try on your laptop, but DON'T USE IT. That one doesn't supply enough power. I had to borrow one from Franko Cabacungan. Seems that your model Vaio is a rare breed here at the lab.



①

2004

July 23, 2004

Audrey Sutherland
61 551 Pohaku Loa Way
Haleiwa, HI 96712

Dear George

It's a fine book, and it's even more valuable to me because of the autograph of scientist Balazs + thank you.

Yes, turtles are still coming ashore here each evening, numbering two to eleven. Isabella Abbott once said she had never seen as many varieties of lime as here, due partly to the fresh water springs at water's edge.

Whenever you are in the vicinity, I would be honored to have you stop by.

Audrey Sutherland

I'm just back from the twenty-fifth year of kayaking in BC + Alaska — I like the wilderness there —



1A

MOTOTOOLED TURTLES ON

Marine Turtle R
National Marine
Pacific Islands Fish
2570 D
Honolulu, Haw

Re-read

scan
10/2/04

68.2
90.2
9/17/04

MT	DATE	SEX	TAG ID	2nd TAG	SCL
Laniakea					
A	12/18/2003	Immature	445207276A	445249732A	54
L1	10/9/2003*	Male	500E072F73	500E1B0B5D	85.2
L2	9/18/2003*	Female	422D536E6C	4233400066	86.6
L3	9/18/2003	Female	4347691B2D	4358740927	86.1
L4	9/25/2003	Female	435B6A124B	435C27255A	87.3
L5	9/25/2003	Female	435B6D724E	4367476B71	90.1
L6	9/26/2003	Immature	433D493D66	433F397534	73.3
L7	9/26/2003	Male	4359054568	435B5D5F49	90.9
L8	10/1/2003	Female	433F403720	433F403720	88.2
L9	10/1/2003	Immature	433C707505	434F633B14	63.6
L10	10/2/2003	Immature	4348146551	435C2C7A32	64.8
L11	10/10/2003	Male (maturing)	4250034951	442E084F24	78.4
L12	12/28/2003	Female	4452766010	4454191827	87.4
L13	2/3/2004	Female	5514 W262	4135681523	90.1
L14	2/3/2004	Male	424E617752	42500G022E	85.2
L15	2/4/2004	Female	10485/87	424D247116	84.6
L16	2/4/2004	Female (maturing)	424D534219	425026320B	77.6
L17	4/2/2004	Immature	443A0B230B	44550C7411	64.4
Peck's Property					
P1	9/26/2003	Female	434F3E4C5F	43675C540F	48.3
P2	9/26/2003	Immature	43496B487B	434F6F3D61	74.1
P3	9/26/2003	Immature	435244332E	435C4A2674	58.8
P4	4/1/2004	Immature	44524C2335	-	50.2
P5	4/1/2004	Immature	4250335954	-	52.5
P6	4/1/2004	Immature	4452505F5A	4454316D5A	53.6
P7	4/1/2004	Immature	424F386F40	44526B7574	64.2
P8	4/1/2004	Immature	445457074F	-	74.6
P9	4/1/2004	Male (maturing)	44524F5B04	4452626836	78.3
Honulani Iki					
I1	4/1/2004	Immature	443A125F7C	4455195466	59.5
Strandings					
A1	11/29/2001	Female	500E160459	5019414D5E	90.4
AT	10/5/1999	Male	(41)0E184936	(22)1A735C59	87.1
GA	10/26/2002	Immature	4135206432	41357E622D	77.3
3A	1/24/2004	Immature	4250044451	442C5C413A	57.7
S	9/26/2003	Immature	4347560817	43504B4F29	49.0

P.149 10/9/04
P.152 1/7/05

4453784E23 "Scallop"
44641681215 07

THE NORTH SHORE OF OAHU

Research Program
 Fisheries Service
 Fisheries Science Center
 P.O. Box 27081
 Honolulu, HI 96822-2396
 Phone: 808-957-2396
 Fax: 808-957-2396

A
1
2
3
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5
6
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10
11
12
13
14
15
16
17

CCL	TDR	Tumored	Shape	Injuries	"Name"
59.0	No	Yes			
90.5	Yes	No		Slight indent to shell	Brutus
92.5	No	No		Heal crack on shell	
95.0	No	No	O		
93.0	Yes	No			
98.0	No	No	O	R. eye lens concave	
79.5	No	No	O		
97.5	Yes	No			
96.5	No	No		LHF 1/2 bitten off	
69.0	No	No			
70.0	No	No		9-10th L./R. marg. miss/heal	
84.5	No	No			
94.0	No	No			Missy
96.5	No	Yes			
90.0	No	No		RHF amp/heal	
92.5	Yes	No		RHF tattered/heal	Mana
84.0	Yes	No			
70.5	No	Yes			

18
19
20
21
22
23
24
25

52.5	No	Yes		LHF amp/heal	
81.0	No	No		LFF amp/heal	
63.5	No	Yes			
53.5	No	Yes			
57.0	No	Yes		Died on 4-11-04	
58.0	No	Yes			
70.0	No	Yes			
80.5	No	Yes		Died on 5-1-04	
84.5	No	No			

63.5	No	Yes			
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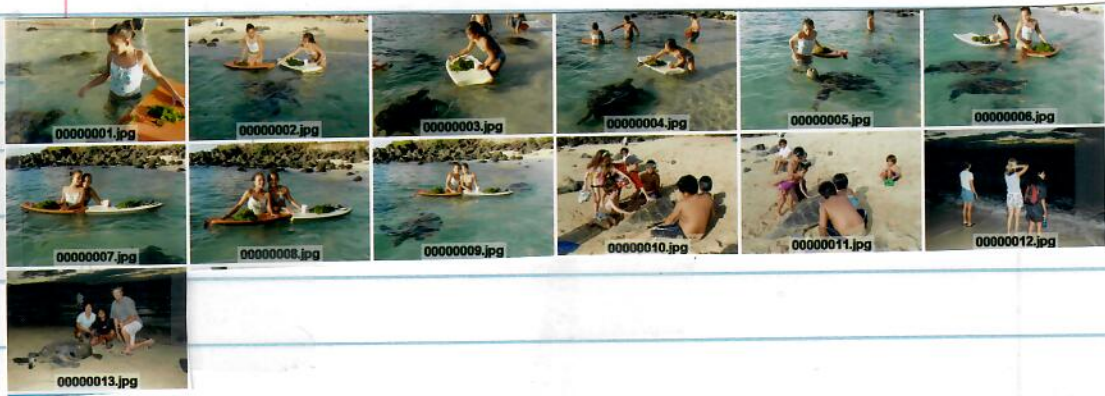
96.5	No				
93.0	No				
84.0	No				
63.0	No	No		RFF amp by Dr. Morris	
53.0	No	No			

2 TERN ISLAND APRIL 19, 2004. L4♀



Hoag, D. J. S. A.

3



L7
Day of Return
to HOMULANI

4

April 19, 2004



Paar 27 JASA

(5)



L1

(6)

April 19, 2004





L1

(8)

April 19, 2000



CHRIS NAPI, GB, JOE SPRING
LI

See page 33
book 1

out 3pm

~~back to work~~ 3:45pm w/TDE
out to desk 5:33pm

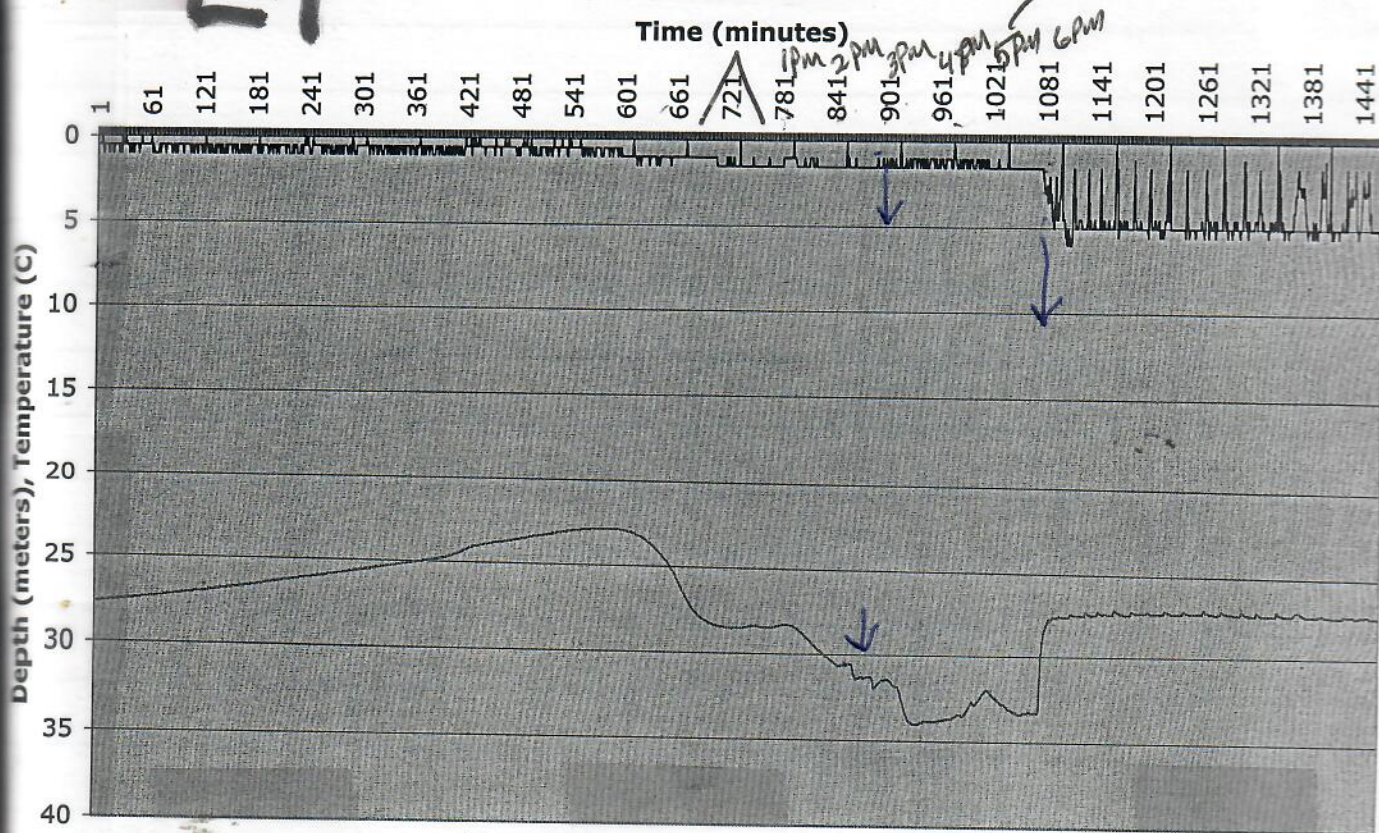
→ out
5:35pm

9

L4 ♀

9-25-03 Thursday

Time (minutes)



10

Photo by GB

CHRISTMAS 2004



ikimaka



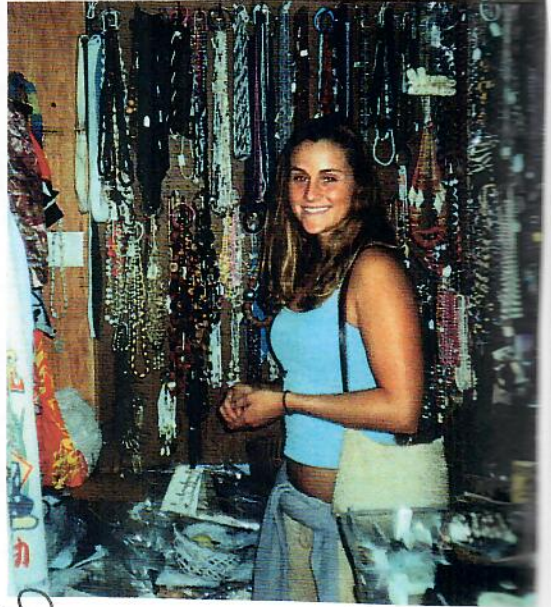
ikimaka



kimaka



Welcome back Brutus



Summer on the Big Island

~ Happy Holidays ~

Wishing you

Peace & Joy

Love and Aloha

Joanne and Kate

GB

Aloha, Jo

Dear George and family,
Hope to see you at
Honulani again soon

Date: Tue, 02 Dec 2003 21:47:52 -1000
From: Marc Rice <mrice@hpa.edu>
To: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
Subject: Some numbers from L&

I have evaluated 41 days of data for L7. 9/27 to 10/8 and 10/10 to 11/7.
I did not tabulate the days of deployment and recovery in the totals.

Total minutes deployed = 59,040
Total minutes resting = 37,510 (63.5%)
Total Minutes basking = 9,565 (16.2%)
Total Minutes Feeding = 7,350 (12.5%)
Unaccounted time = 7.8%

The only numbers I am not at all certain of are the "feeding" minutes. It is really impossible to know for sure what they are doing during those times when it was in shallow water.

The total % basking time was higher than the Kiholo turtles (#53 and #94) by 3 or 4%. The feeding time was lower by 28% or so... What gives?

I sent a low profile case over to you today along with a couple of extra stainless steel screws in case you need some next time you change out the MK9.

L7

2003 near shore

(11)

HONOLULU

(12)

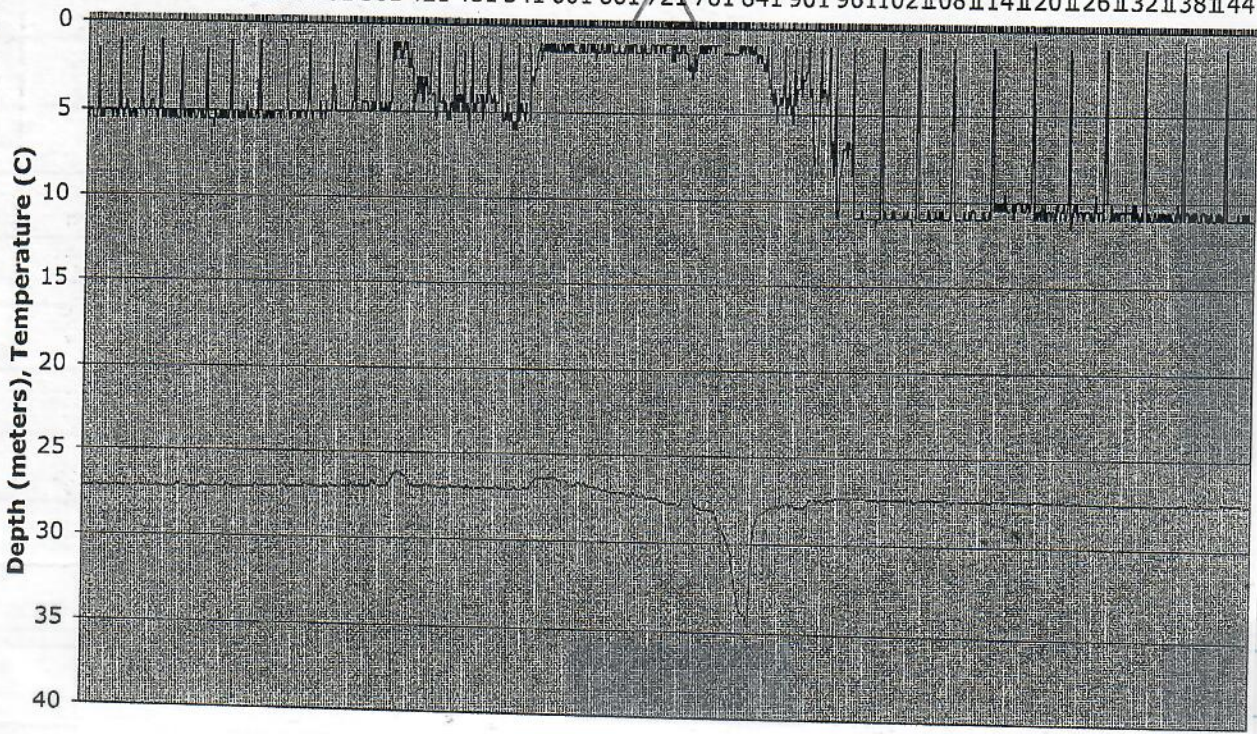
9/26/03

L4 ♀

Mittell
10/11/03

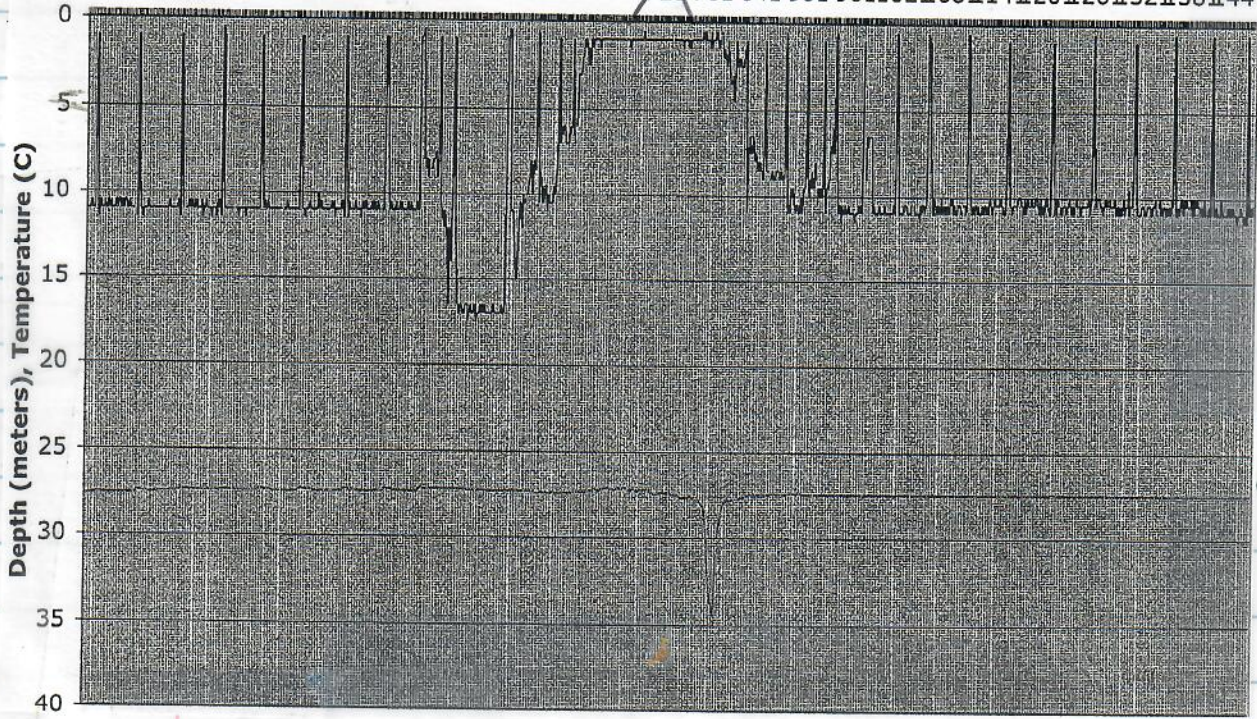
Time (minutes)

1 61 121 181 241 301 361 421 481 541 601 661 721 781 841 901 961 1021 1081 1141 1201 1261 1321 1381 1441



Time (minutes)

1 61 121 181 241 301 361 421 481 541 601 661 721 781 841 901 961 1021 1081 1141 1201 1261 1321 1381 1441

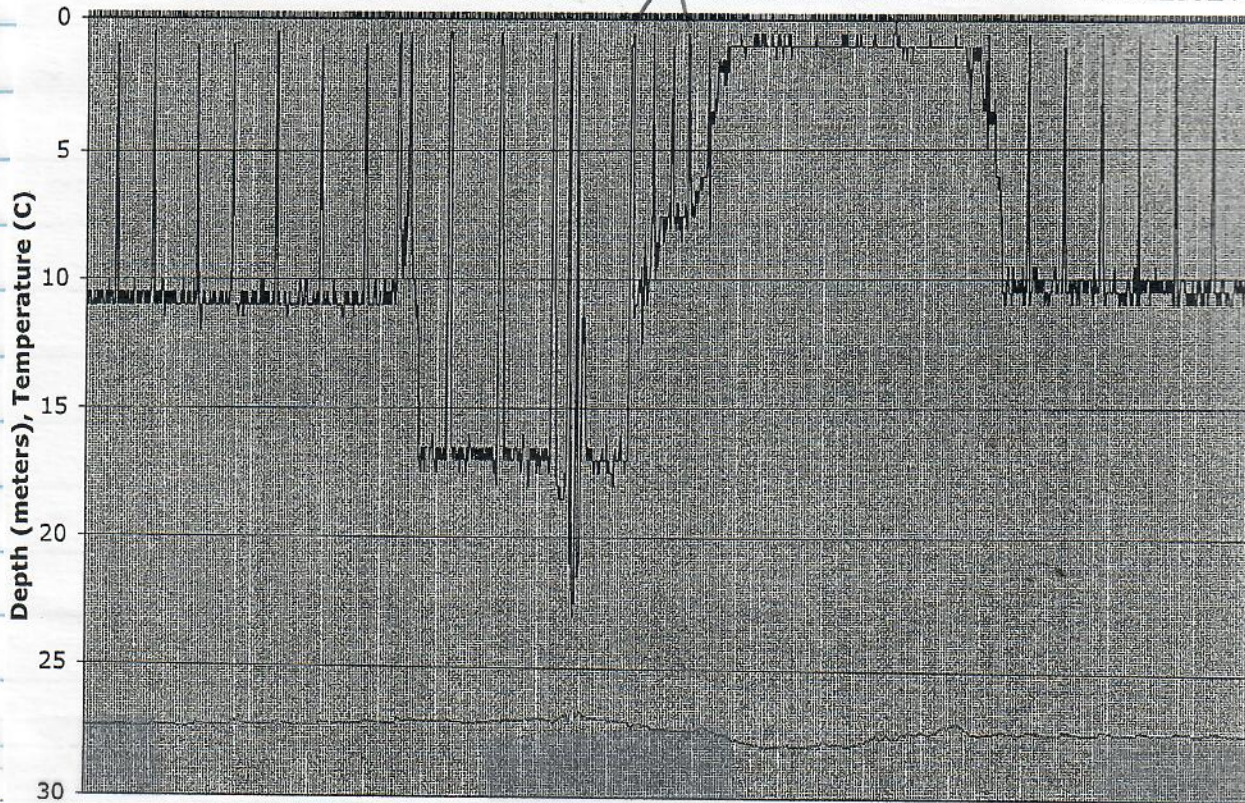


9/28/03

(13)

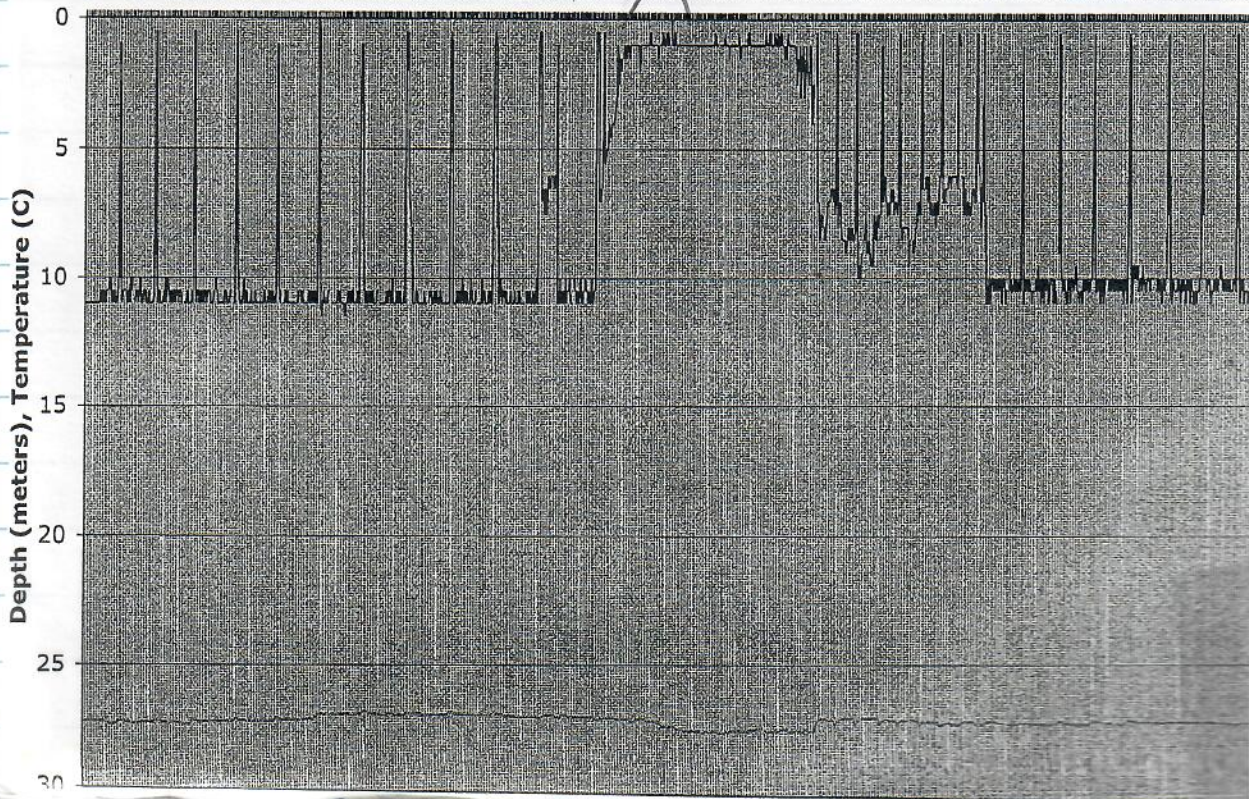
Time (minutes)

1 61 121 181 241 301 361 421 481 541 601 661 721 781 841 901 961 1021 1081 1141 1201 1261 1321 1381 144



Time (minutes)

1 61 121 181 241 301 361 421 481 541 601 661 721 781 841 901 961 1021 1081 1141 1201 1261 1321 1381 144

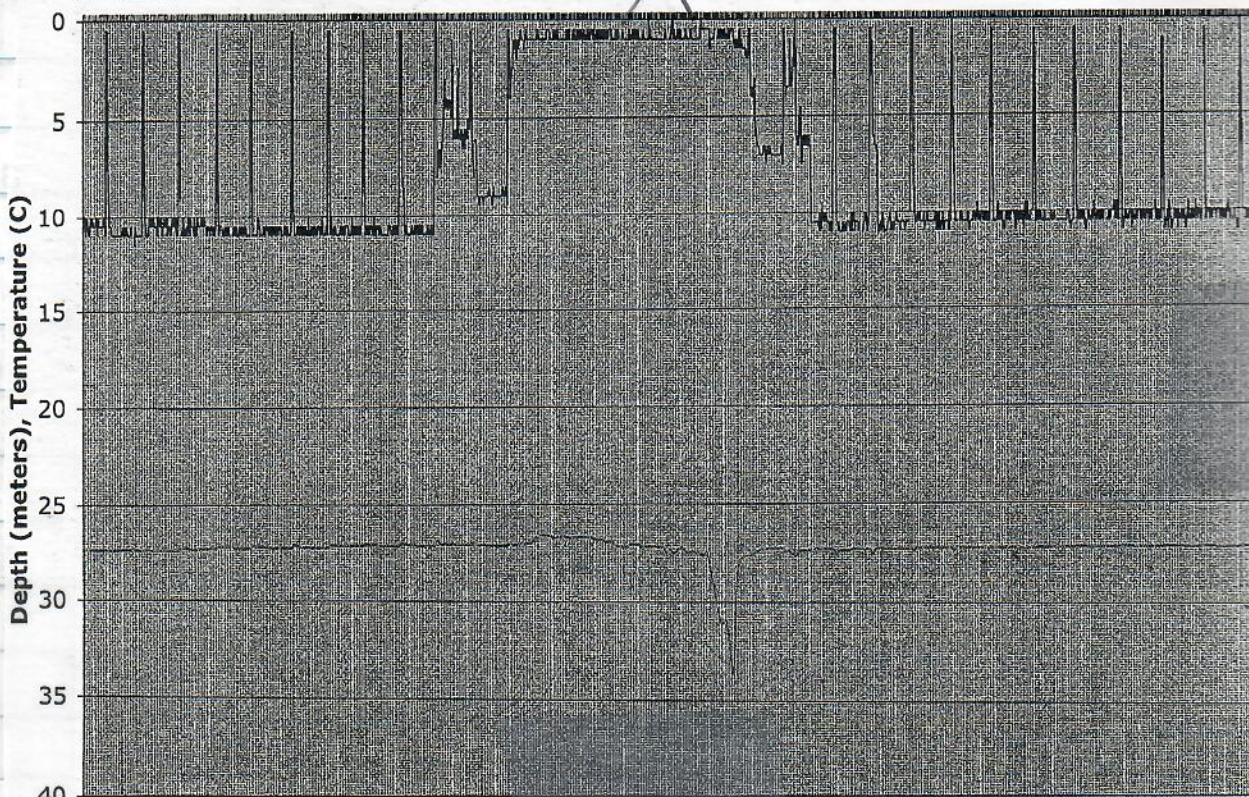


114

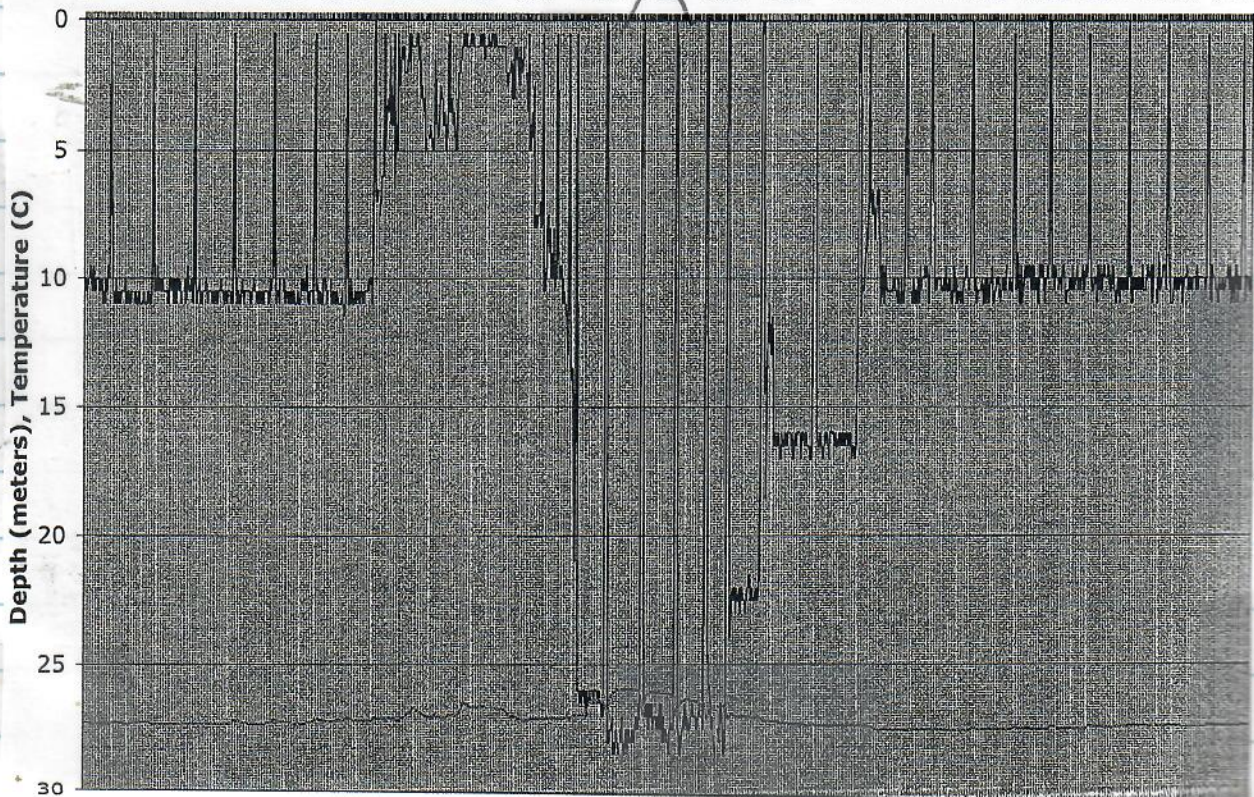
9/30/03

Time (minutes)

1 61 121 181 241 301 361 421 481 541 601 661 721 781 841 901 961 1021 1081 1141 1201 1261 1321 1381 1441



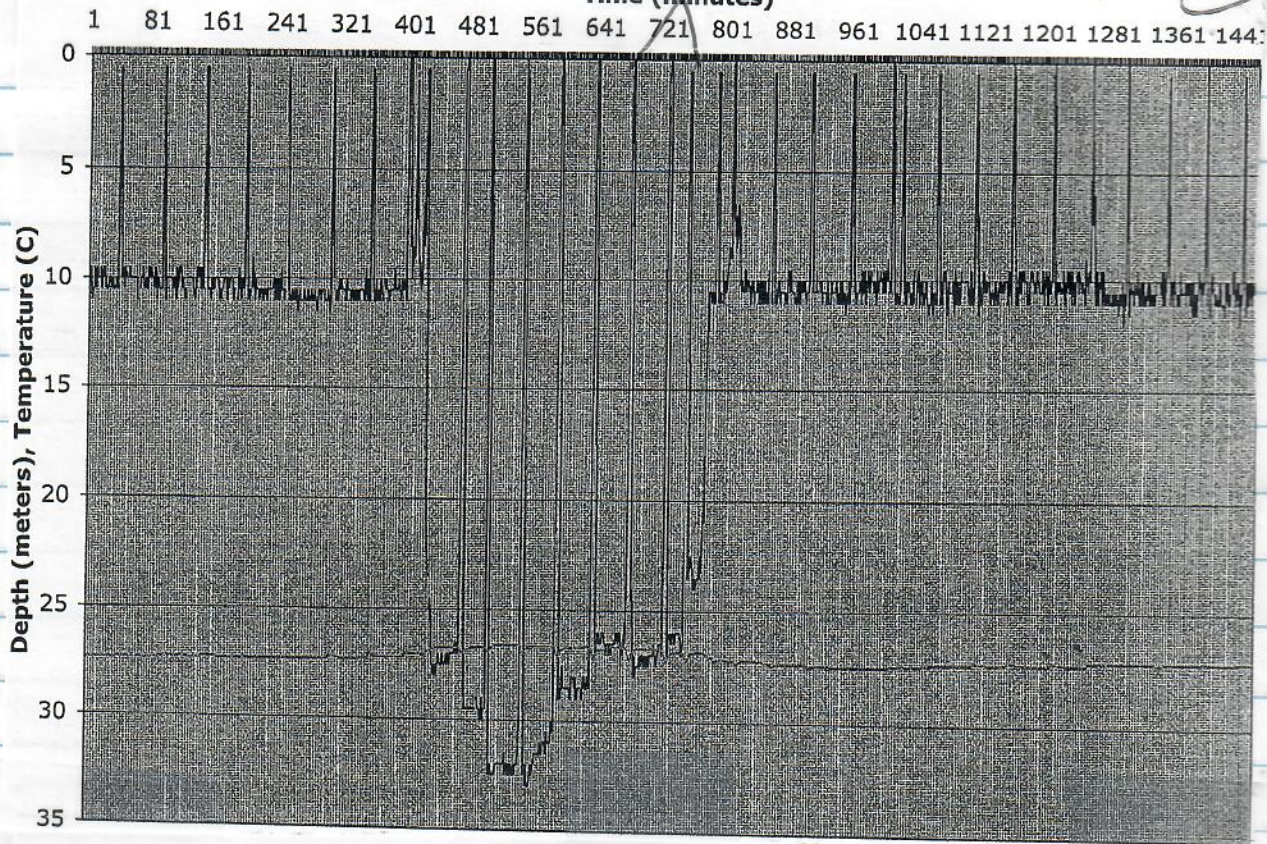
1 81 161 241 321 401 481 561 641 721 801 881 961 1041 1121 1201 1281 1361 1441



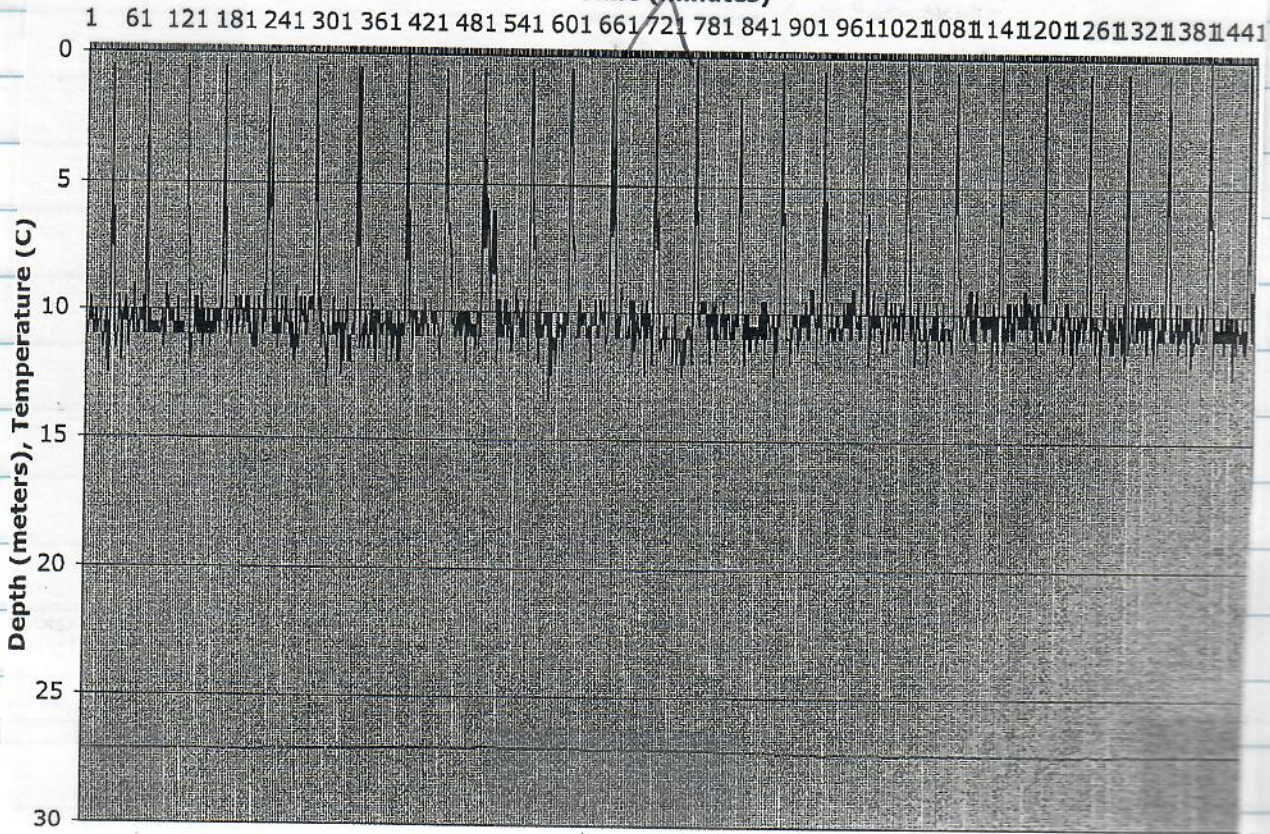
10/2

15

Time (minutes)



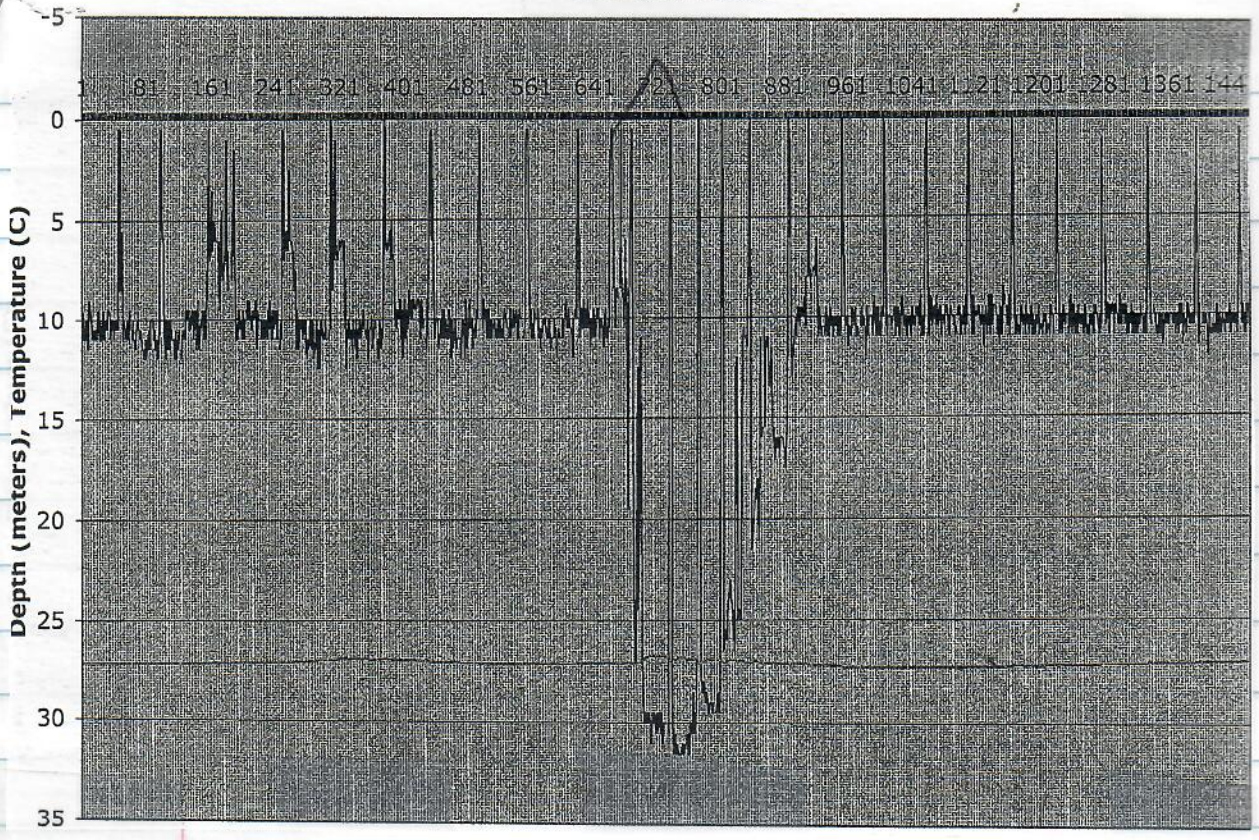
Time (minutes)



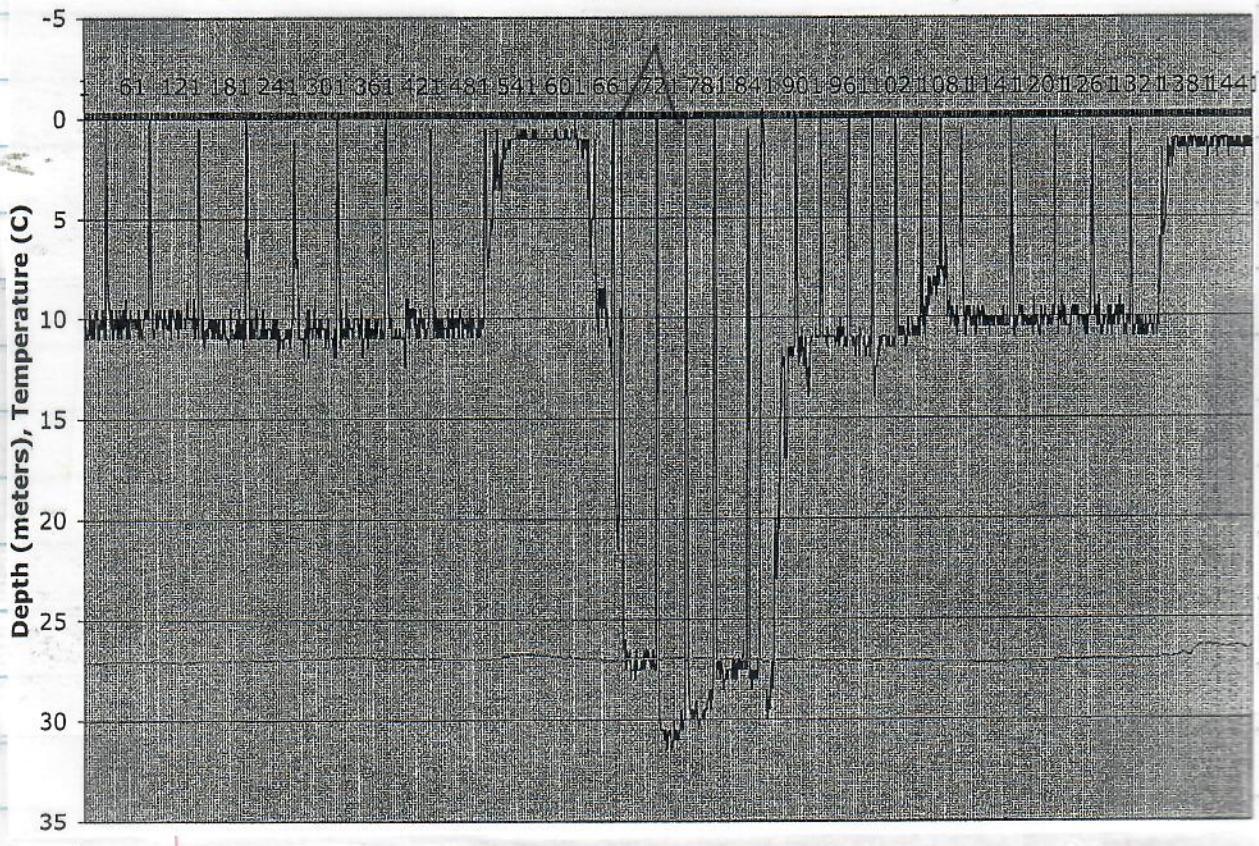
16

10/14

Time (minutes)



Time (minutes)

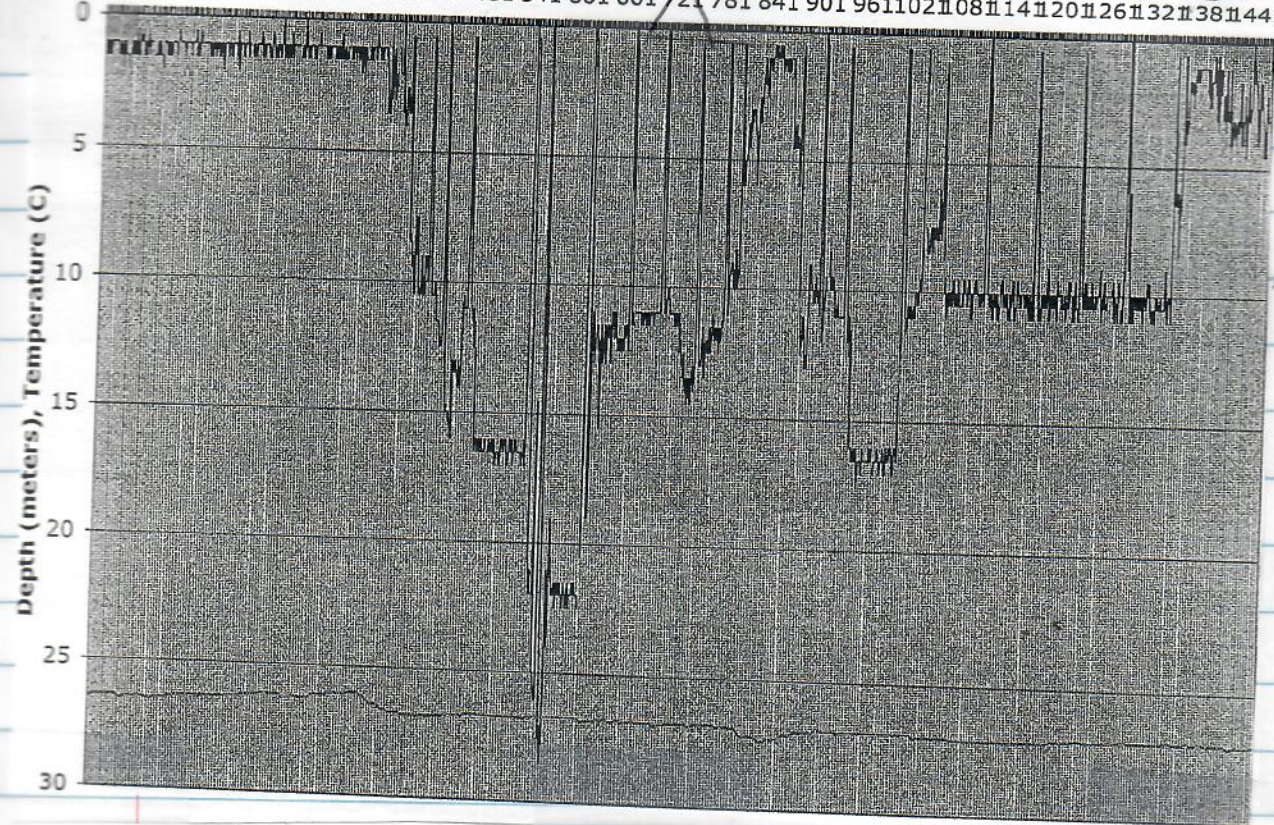


Time (minutes)

10/6/05

(17)

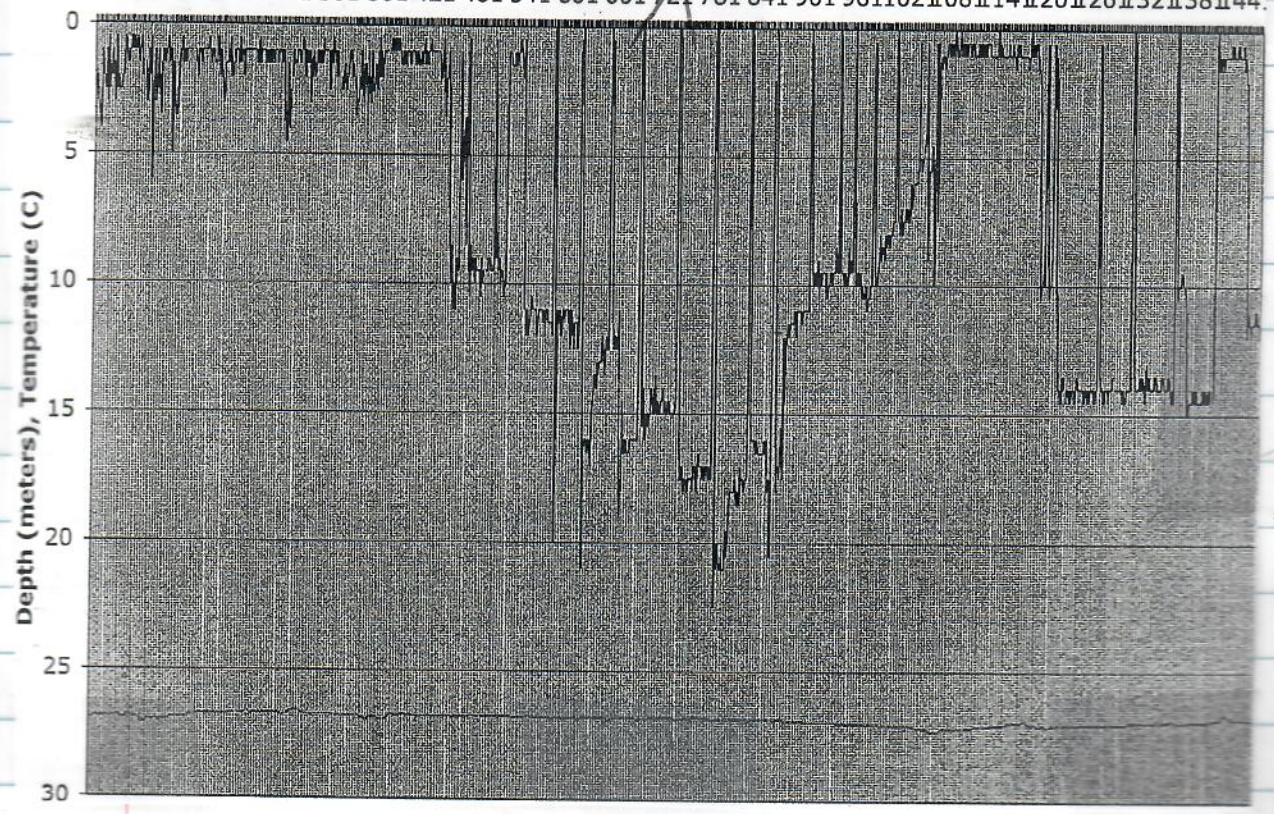
1 61 121 181 241 301 361 421 481 541 601 661 721 781 841 901 961 1021 1081 1141 1201 1261 1321 1381 1441



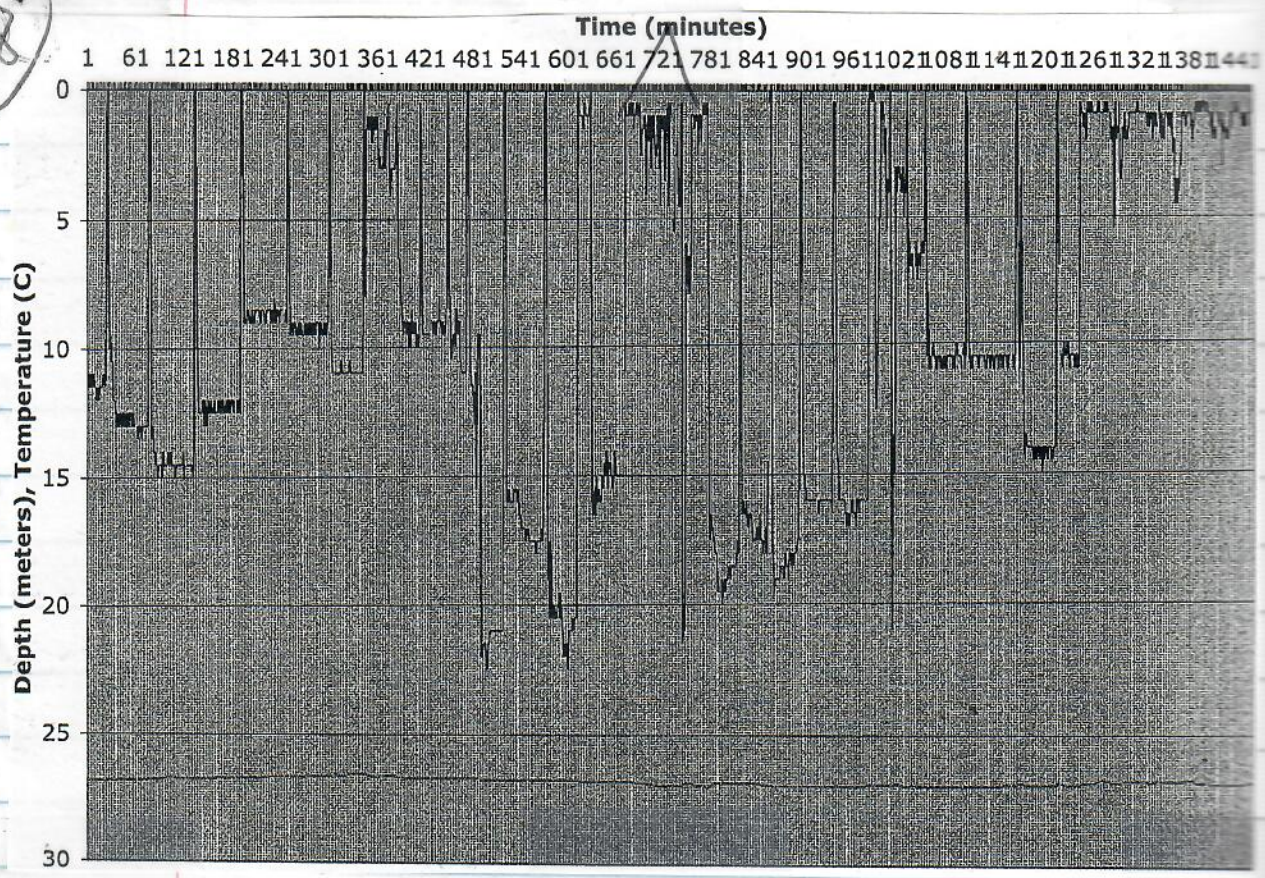
Time (minutes)

10-7-05

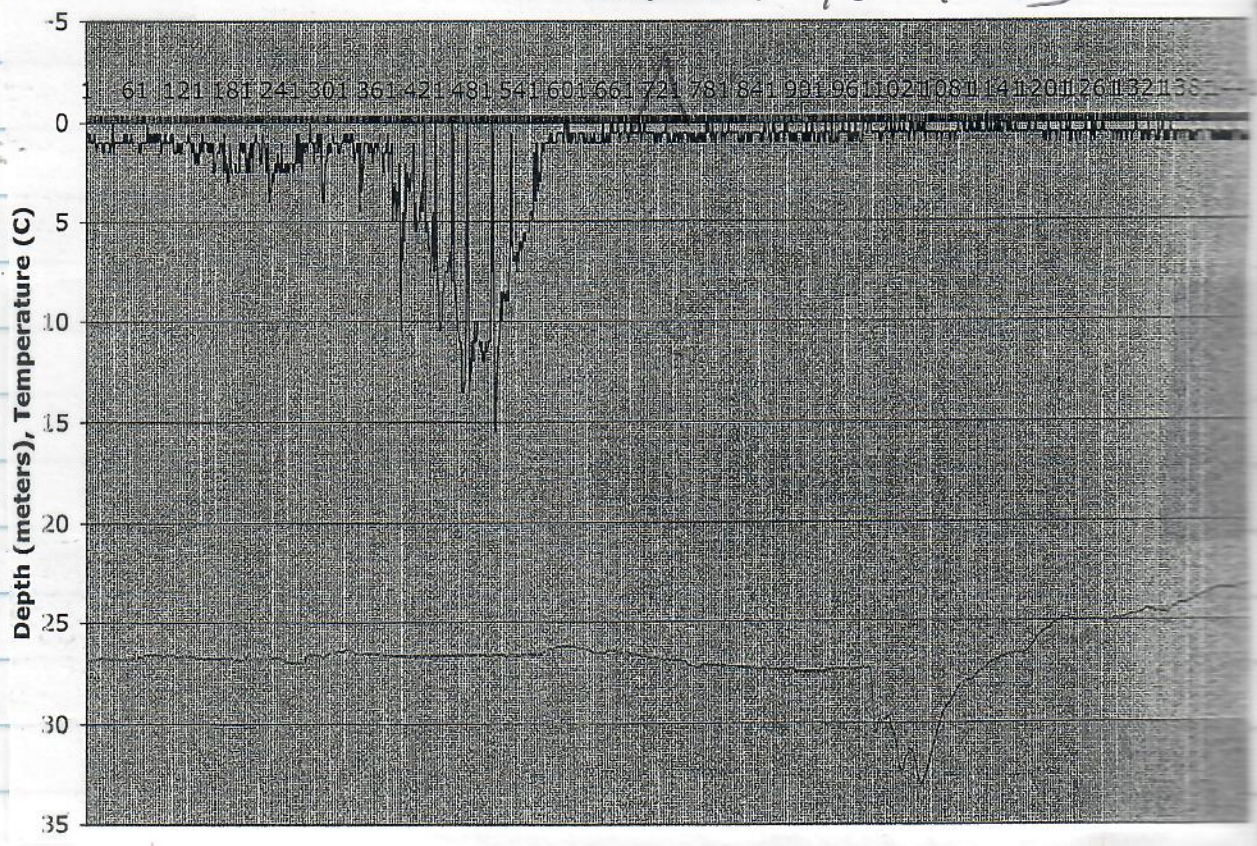
1 61 121 181 241 301 361 421 481 541 601 661 721 781 841 901 961 1021 1081 1141 1201 1261 1321 1381 1441



18



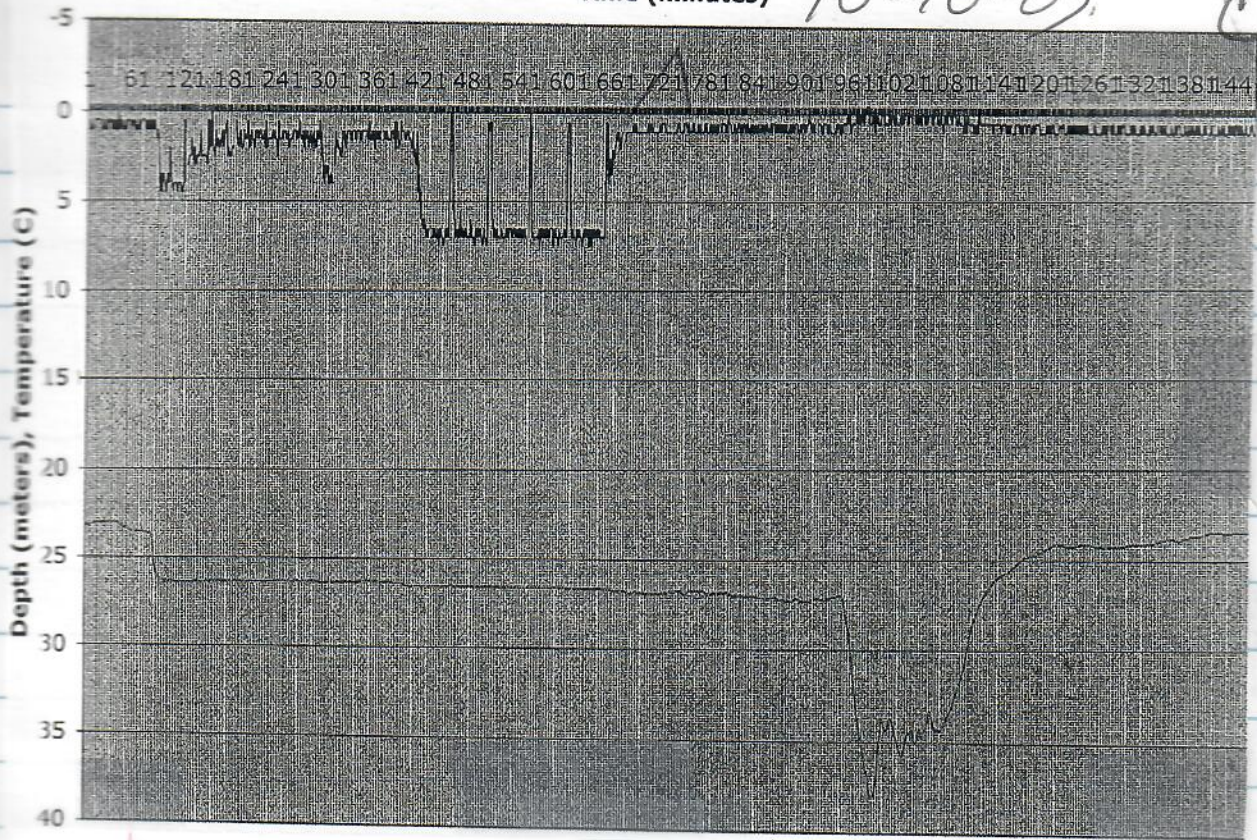
Time (minutes) 10-9-03



Time (minutes)

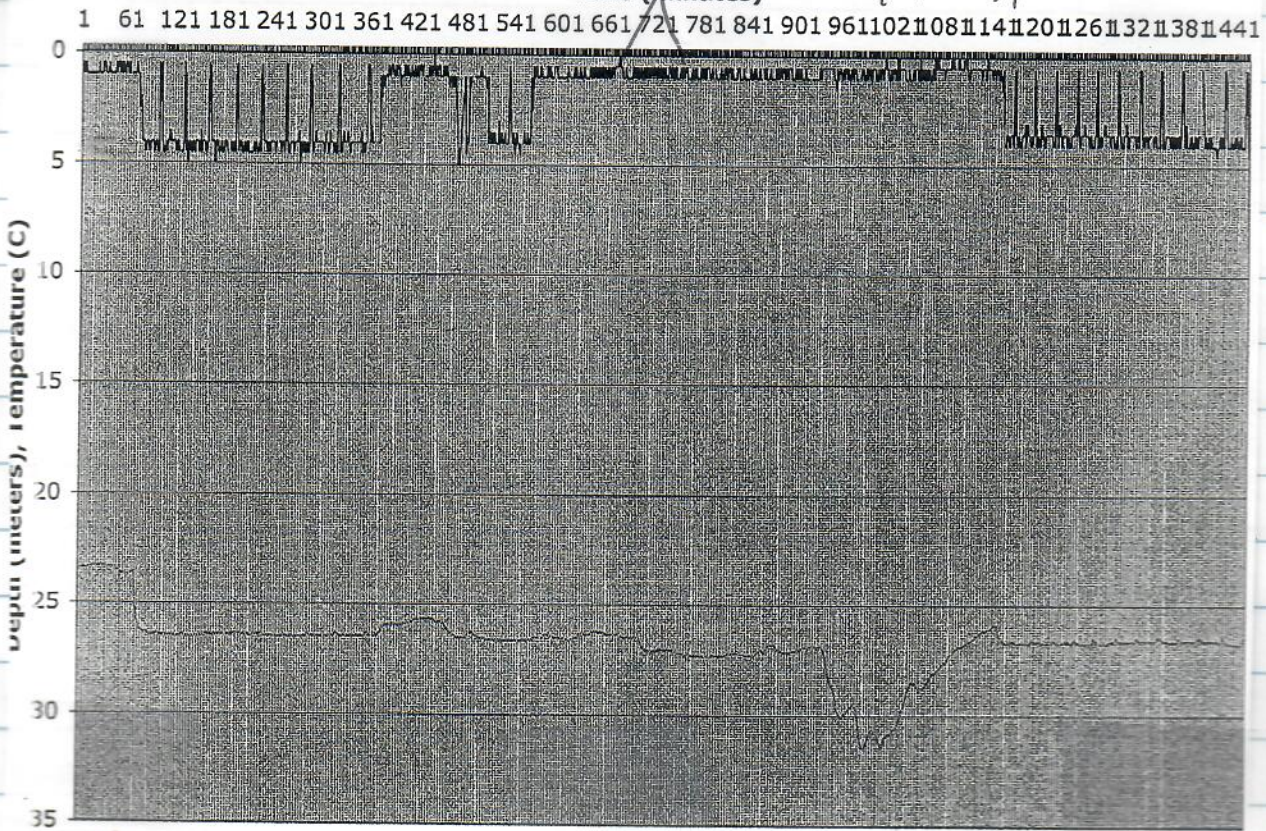
10-10-03

19



Time (minutes)

10-11



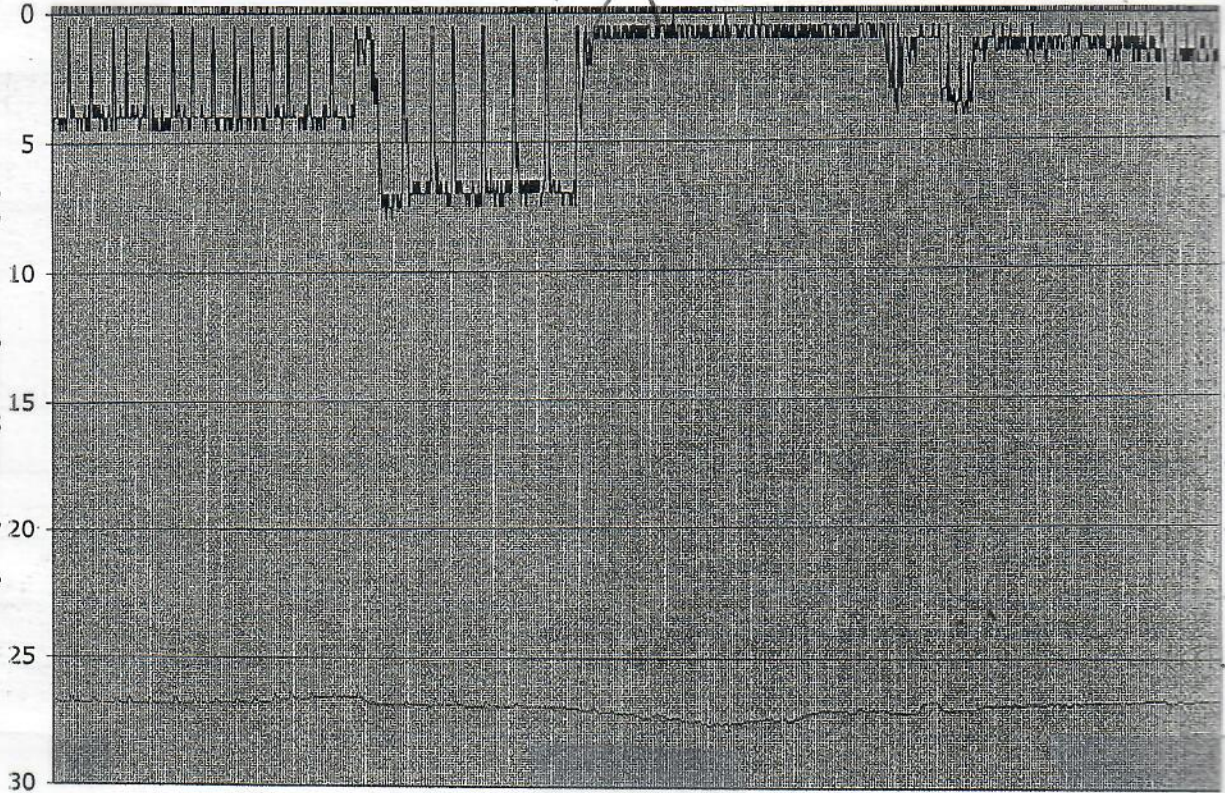
20

Time (minutes)

10-12

1 61 121 181 241 301 361 421 481 541 601 661 721 781 841 901 961 1021 1081 1141 1201 1261 1321 1381 1441

Depth (meters), Temperature (C)

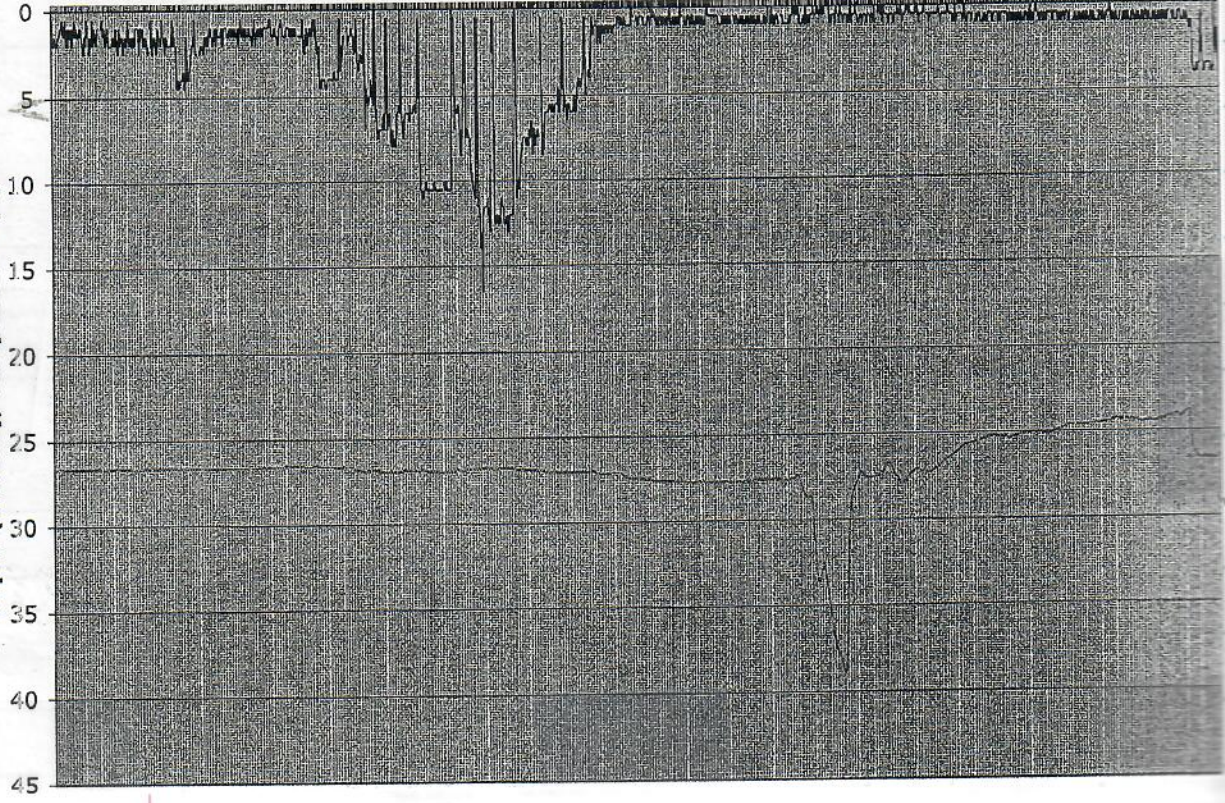


Time (minutes)

10-13

1 61 121 181 241 301 361 421 481 541 601 661 721 781 841 901 961 1021 1081 1141 1201 1261 1321 1381 1441

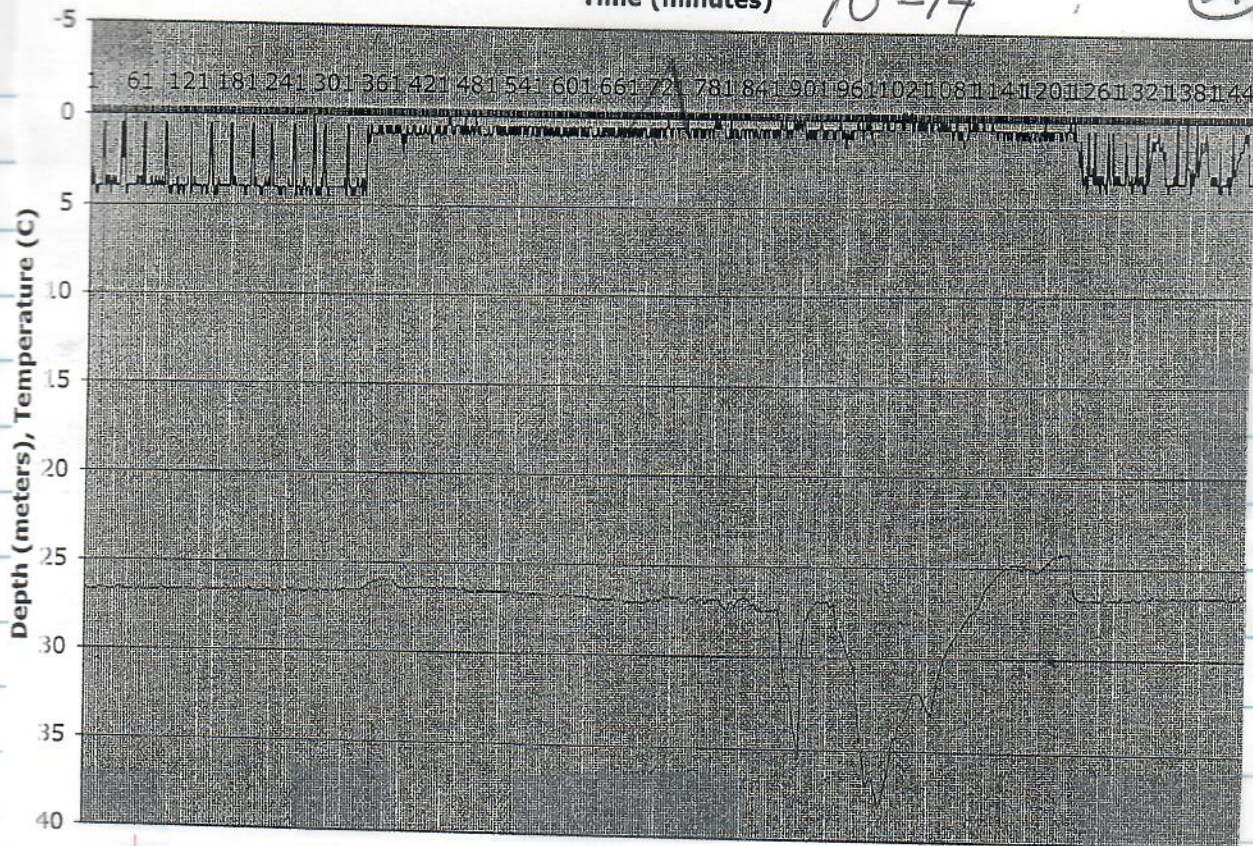
Depth (meters), Temperature (C)



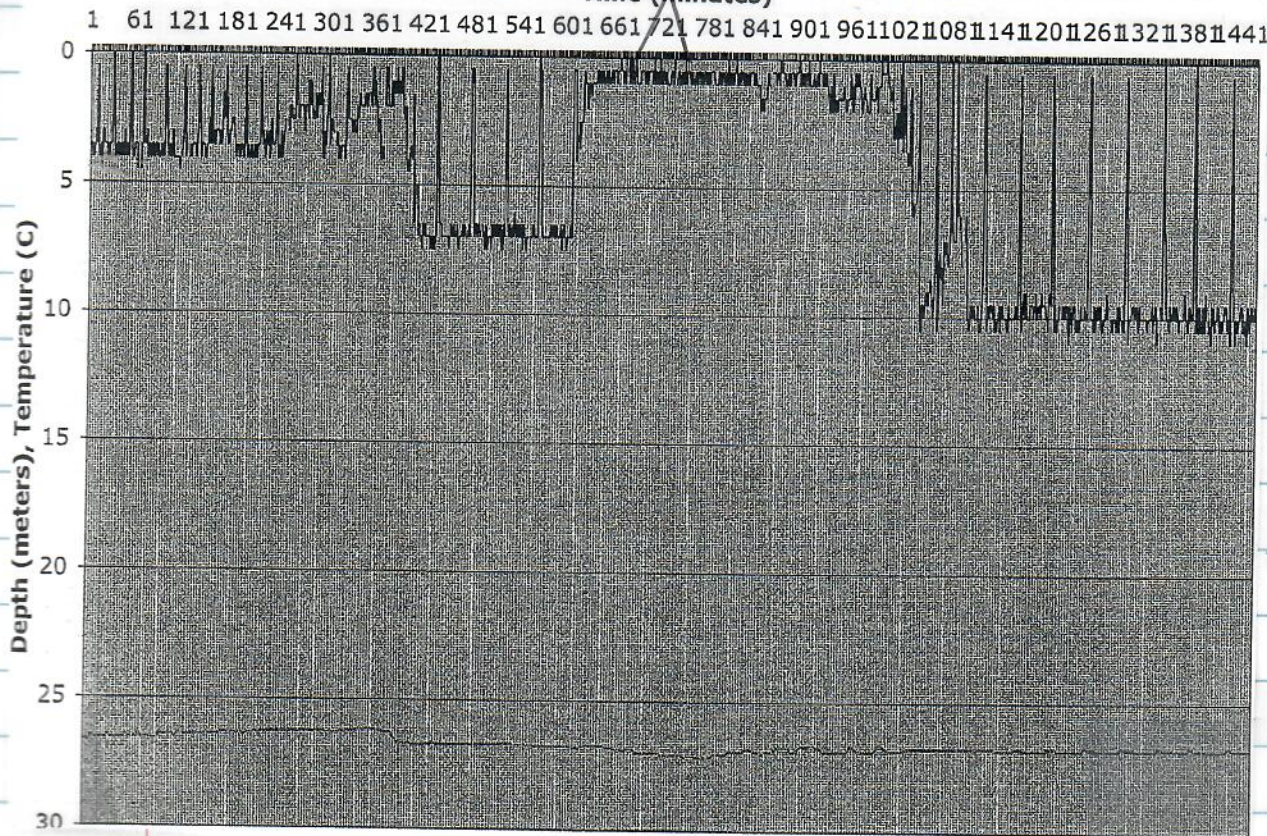
Time (minutes)

10-14

(21)



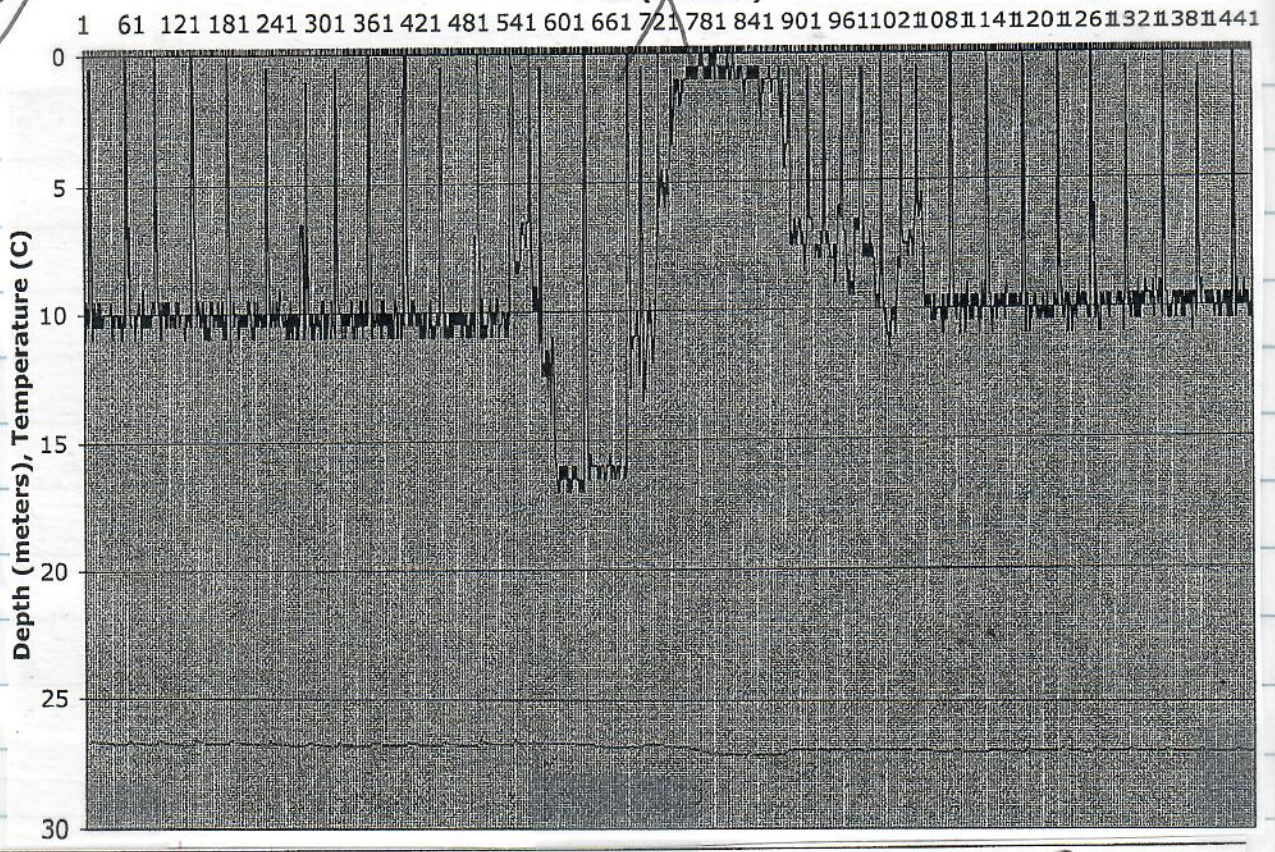
Time (minutes)



22

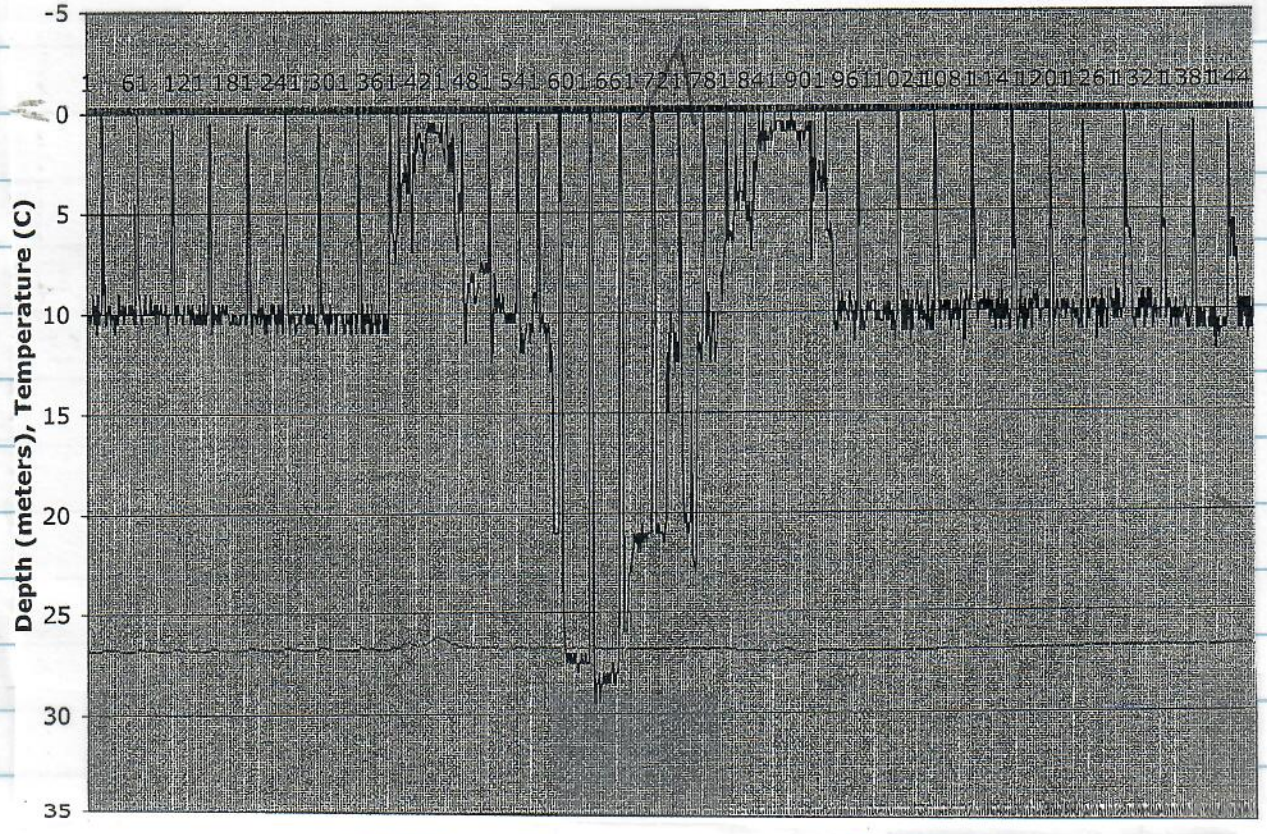
Time (minutes)

10-16-03



Time (minutes)

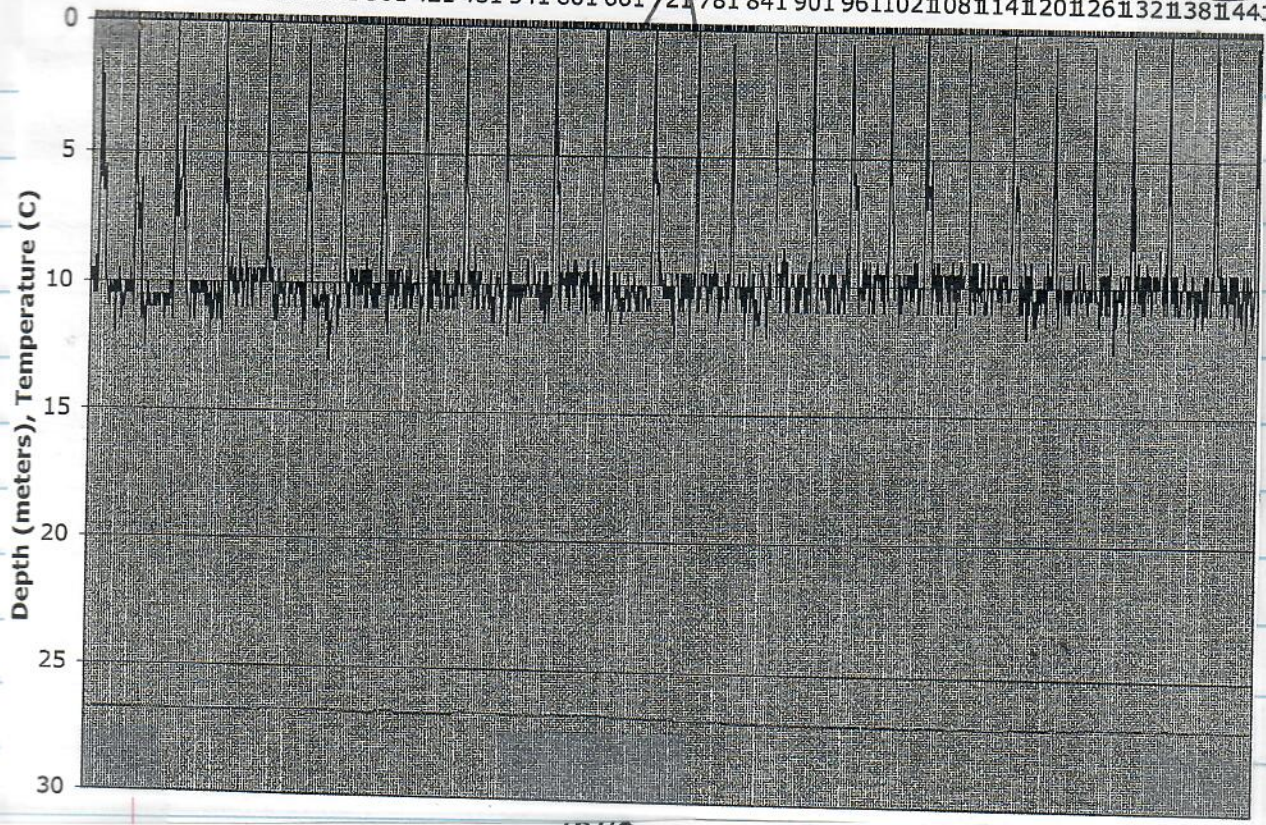
10-17-03



Time (minutes) 10-18-03

23

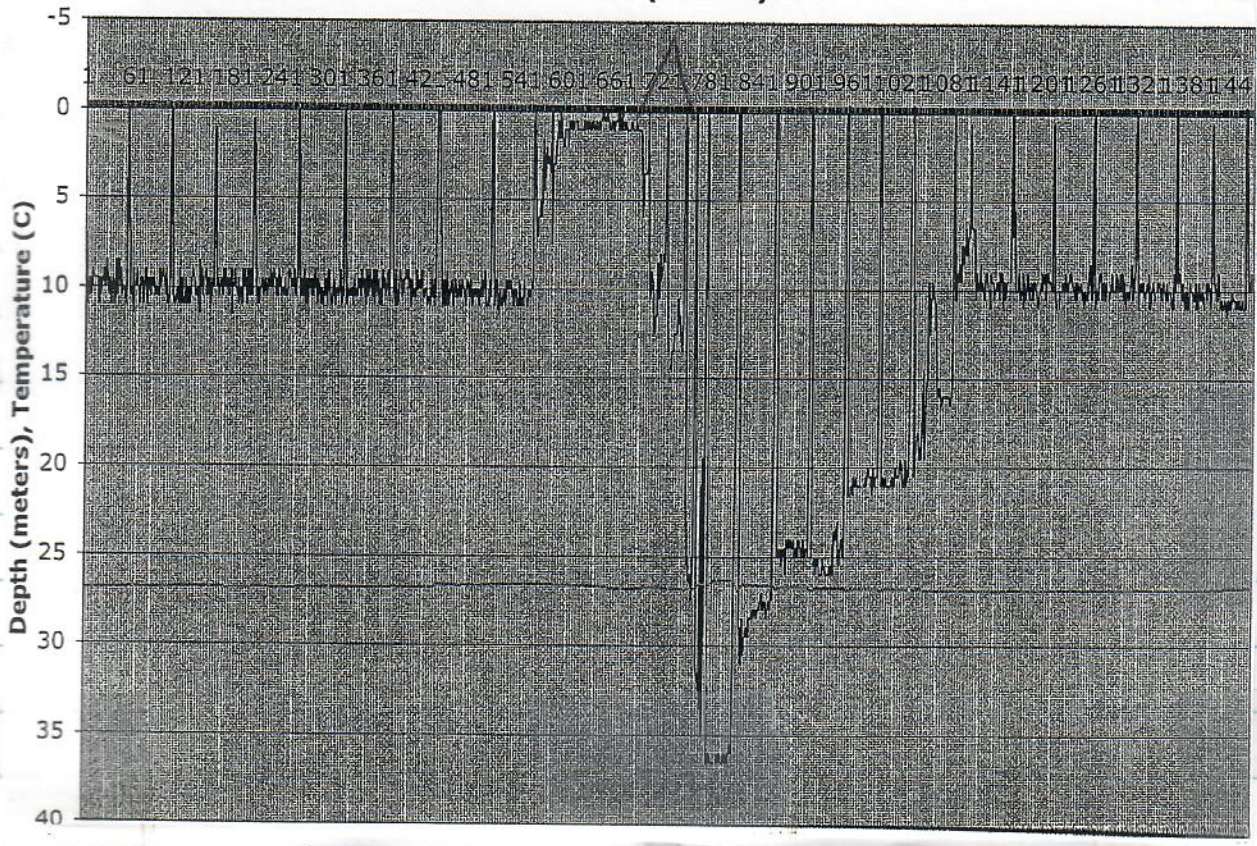
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10/19

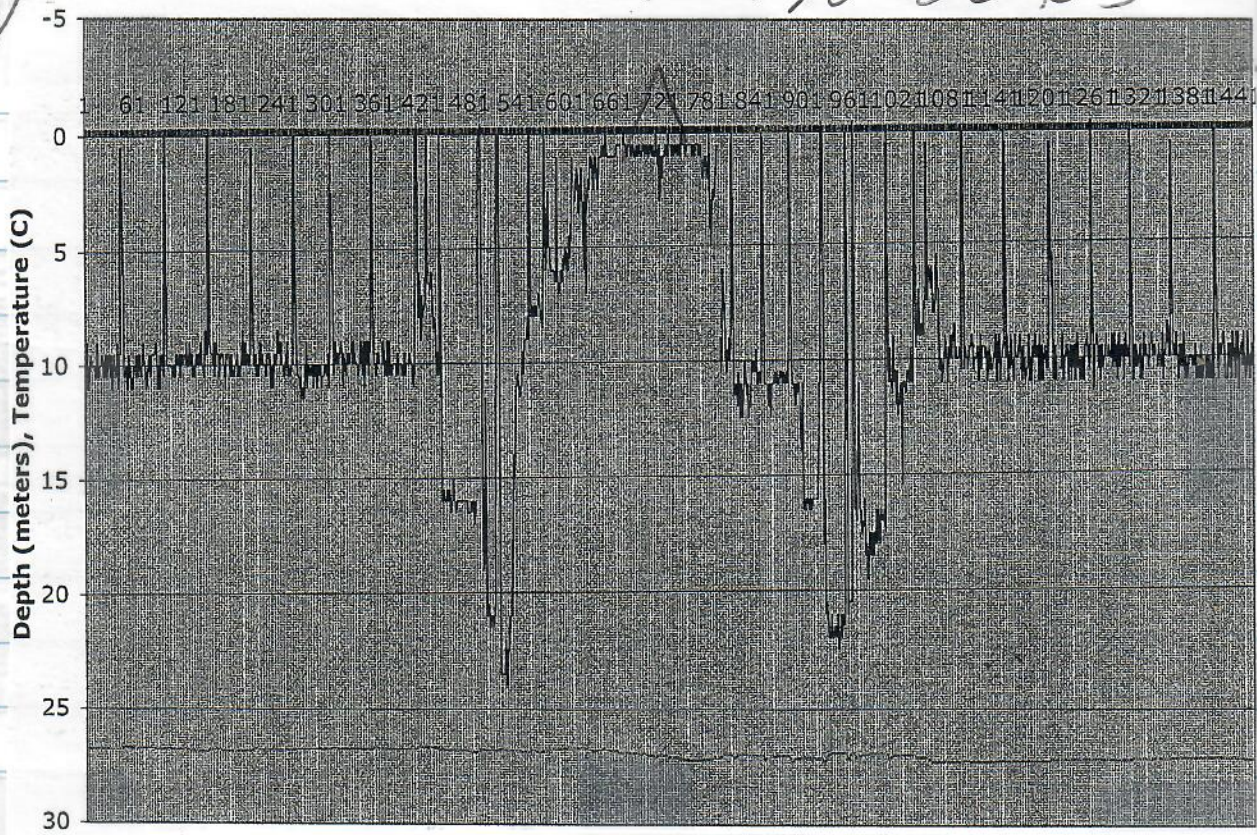
Time (minutes)

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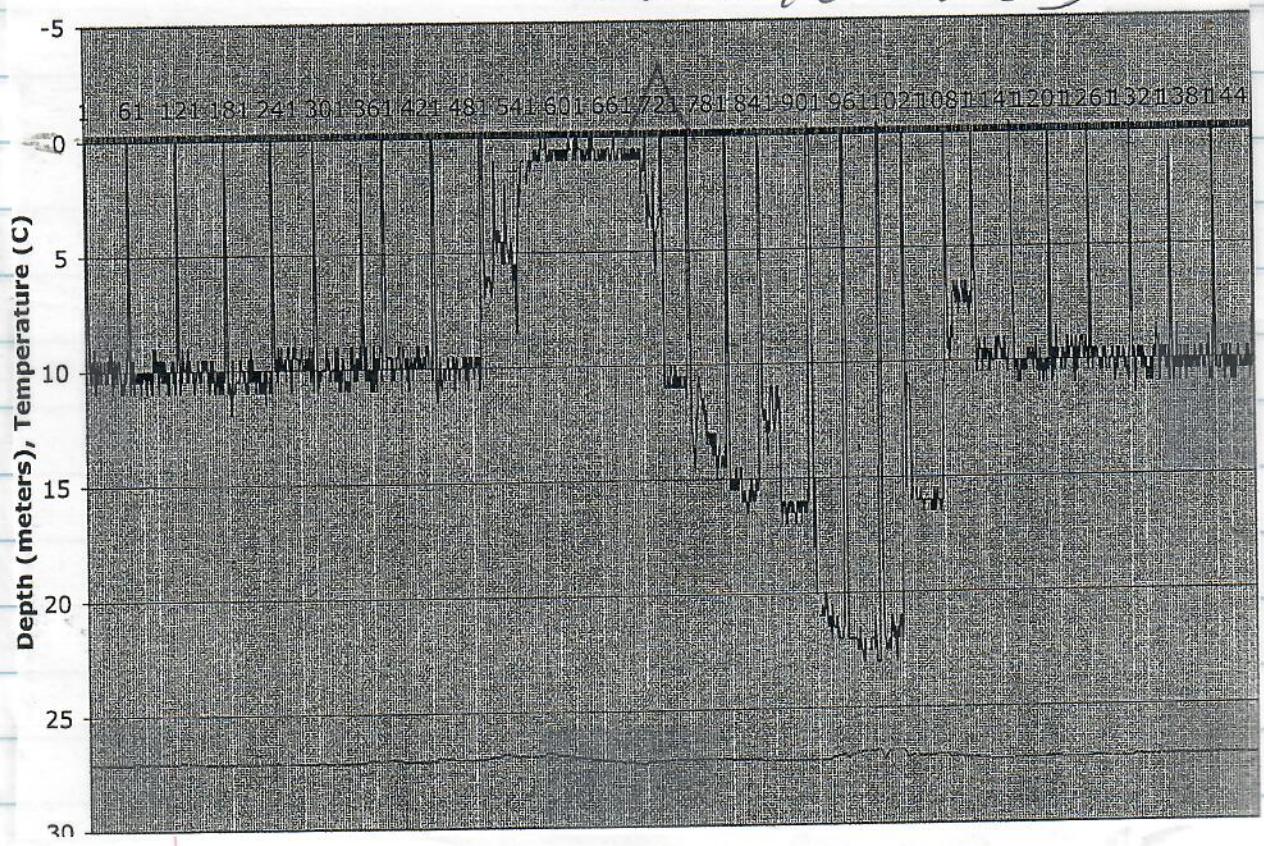


24

Time (minutes) 10-20-03



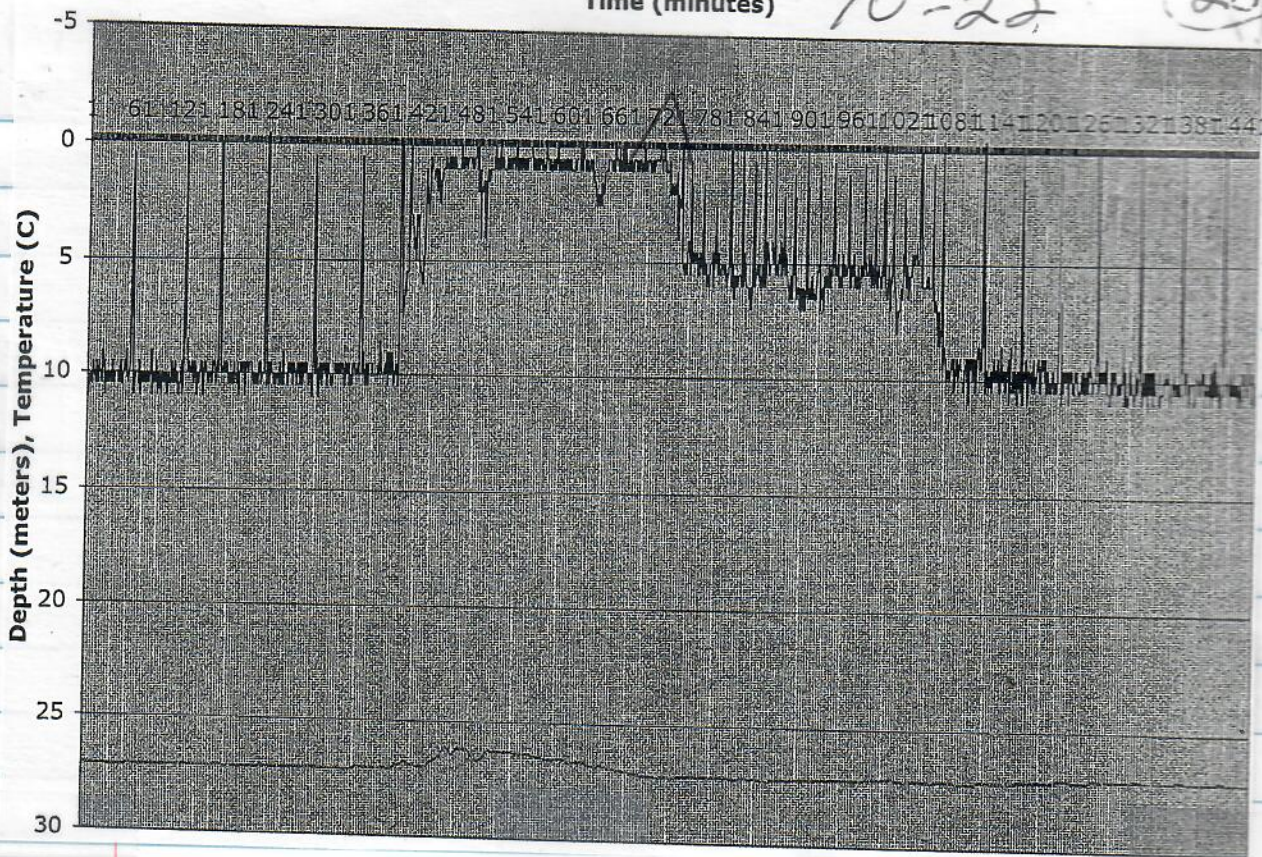
Time (minutes) 10-21-03



Time (minutes)

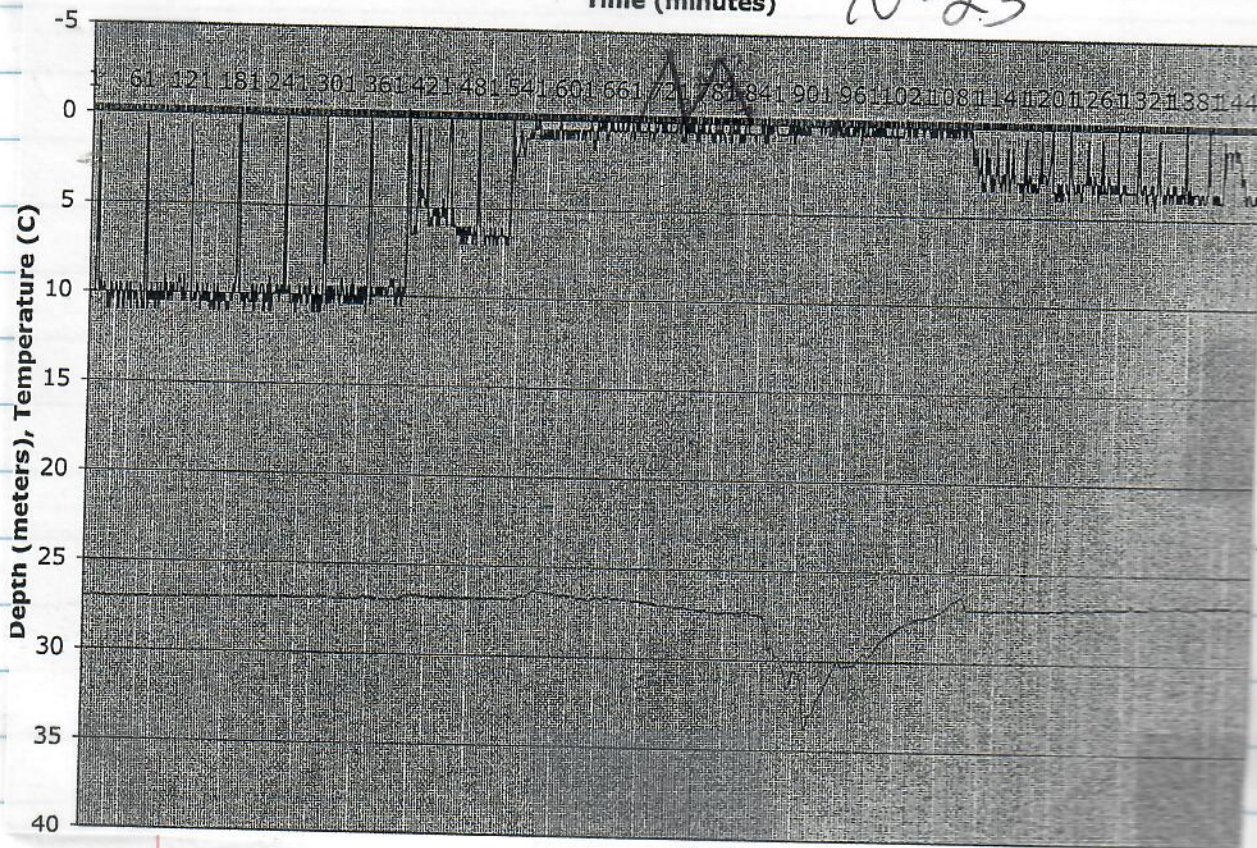
10-22

25



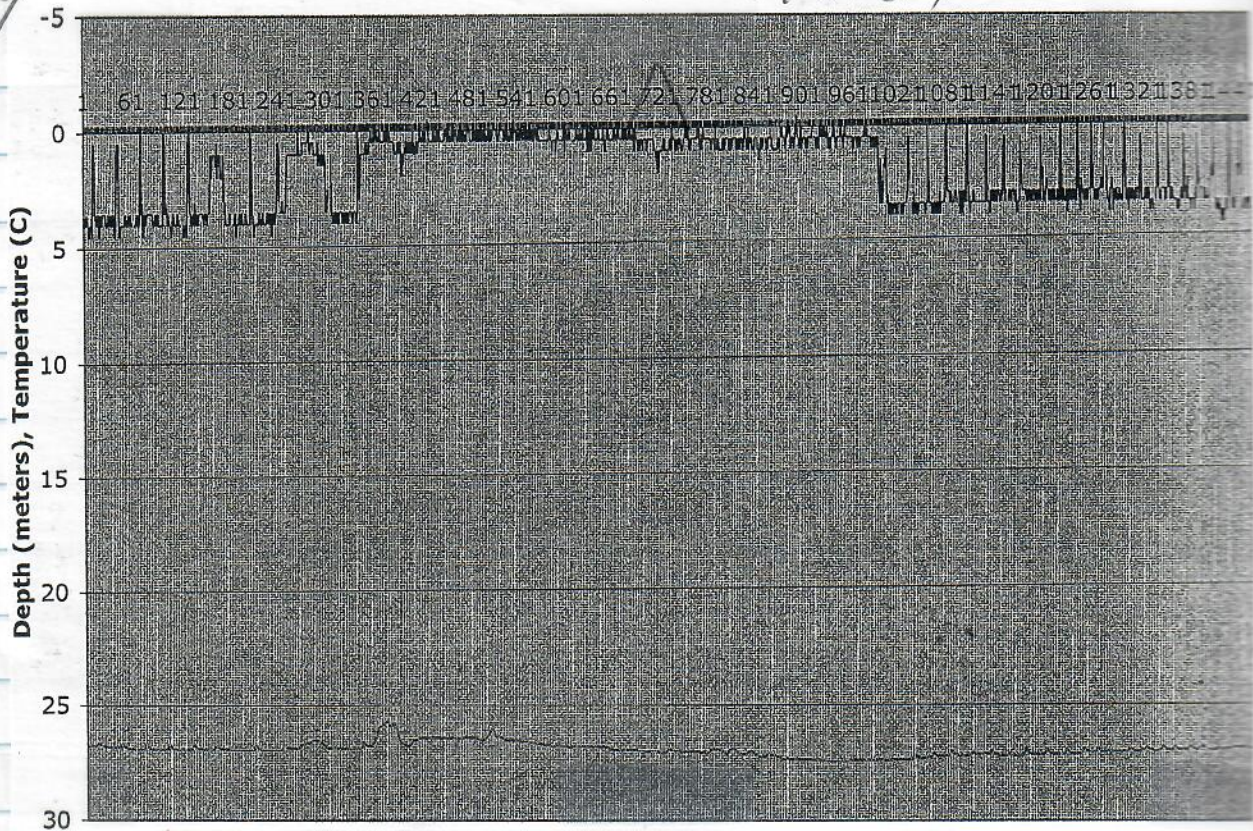
Time (minutes)

10-23

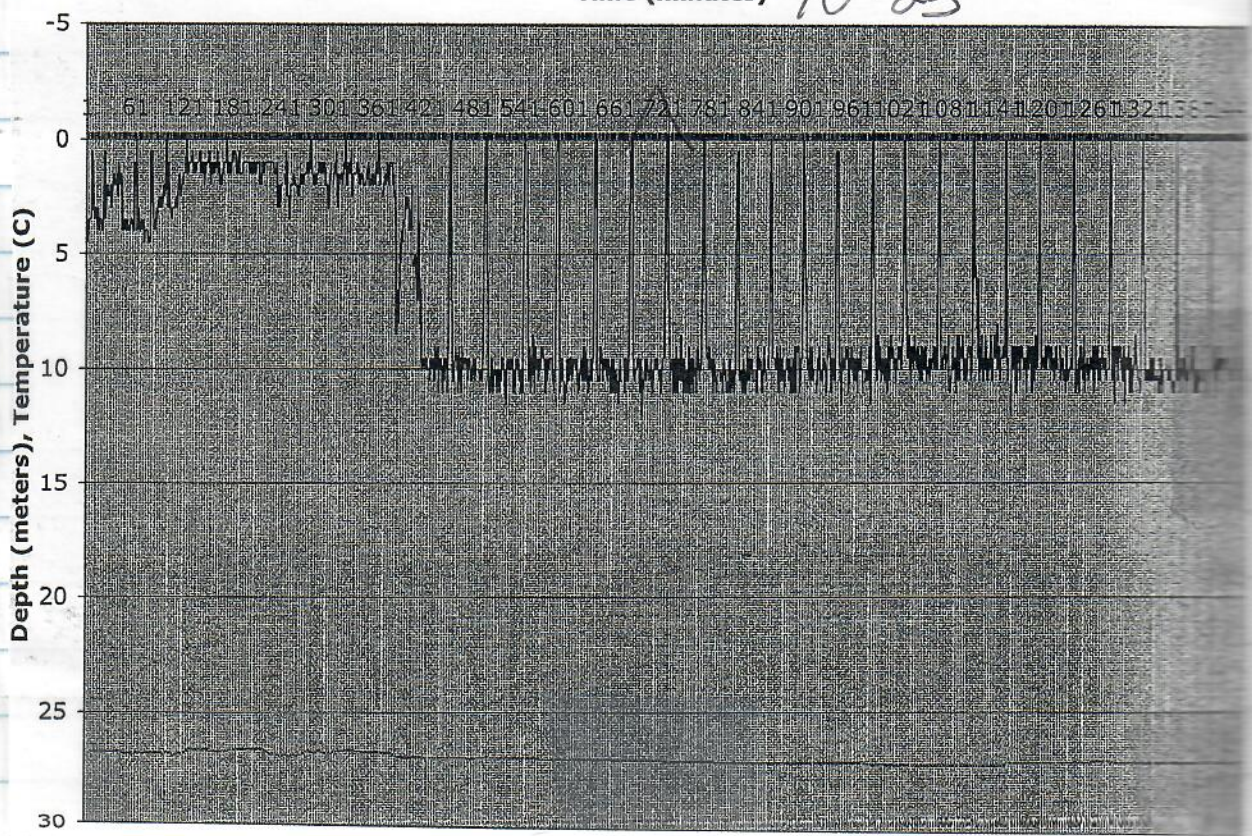


26

Time (minutes) 10-24

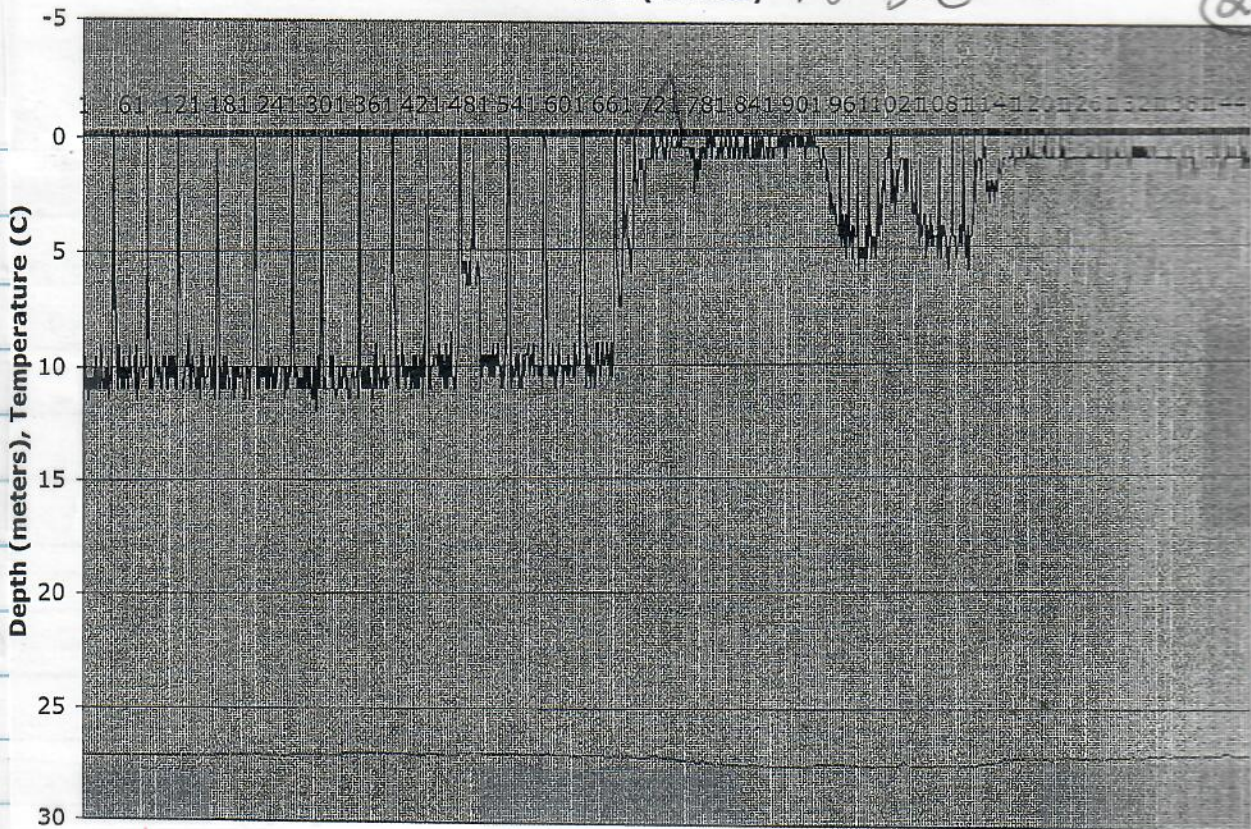


Time (minutes) 10-25

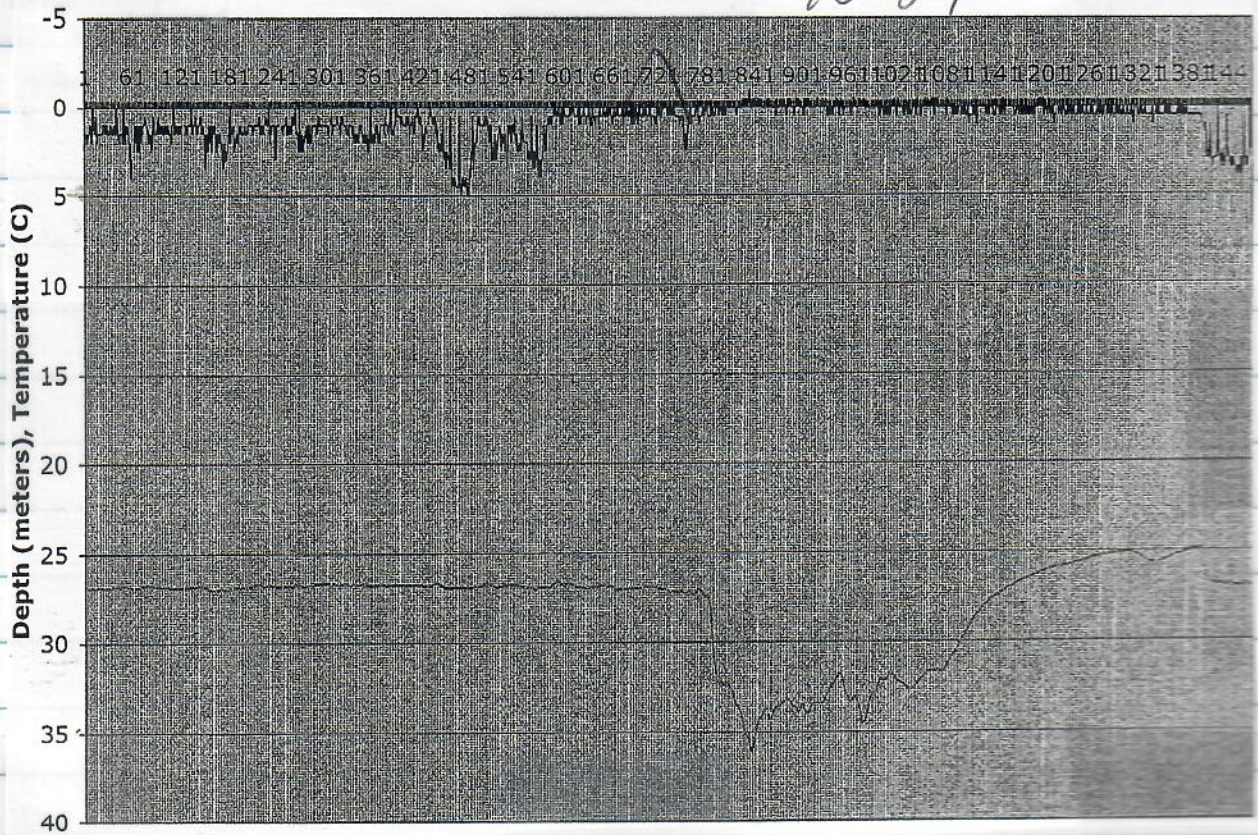


Time (minutes) 10-26

27

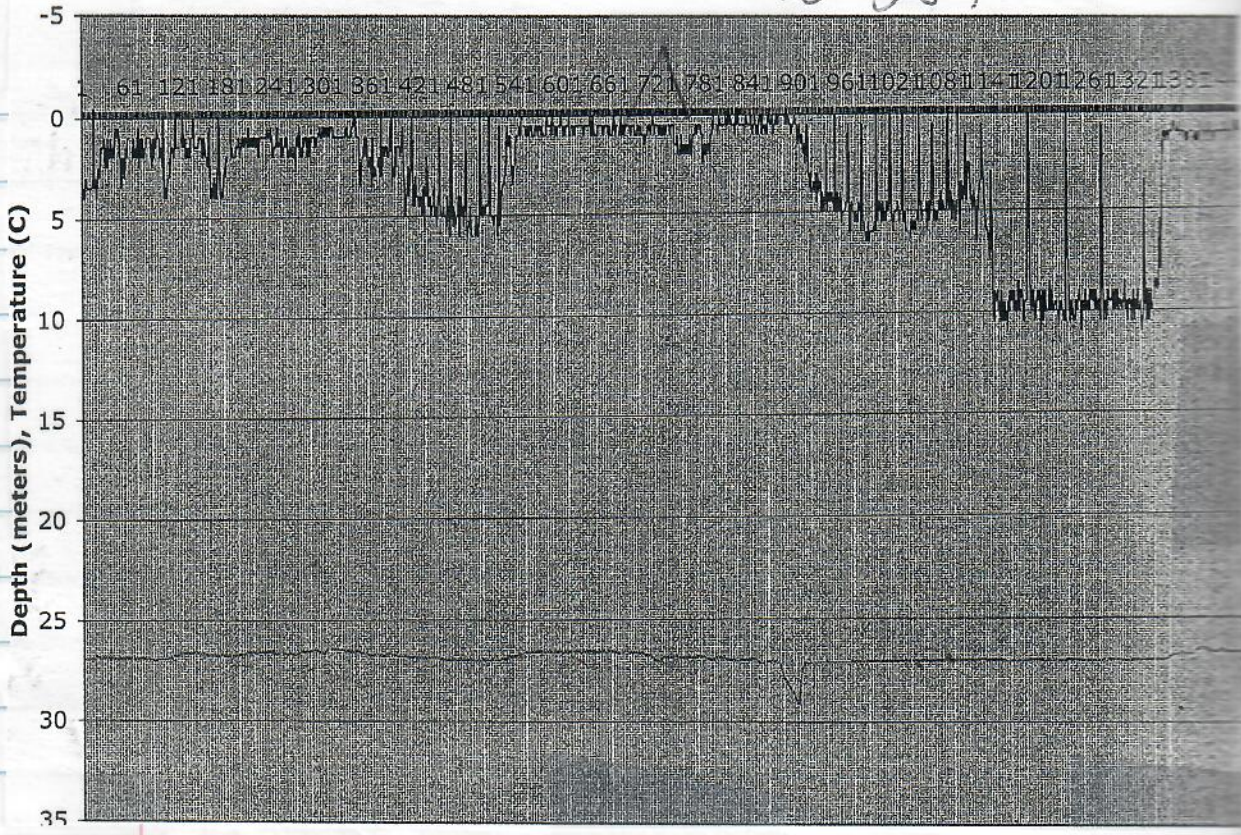


Time (minutes) 10-27

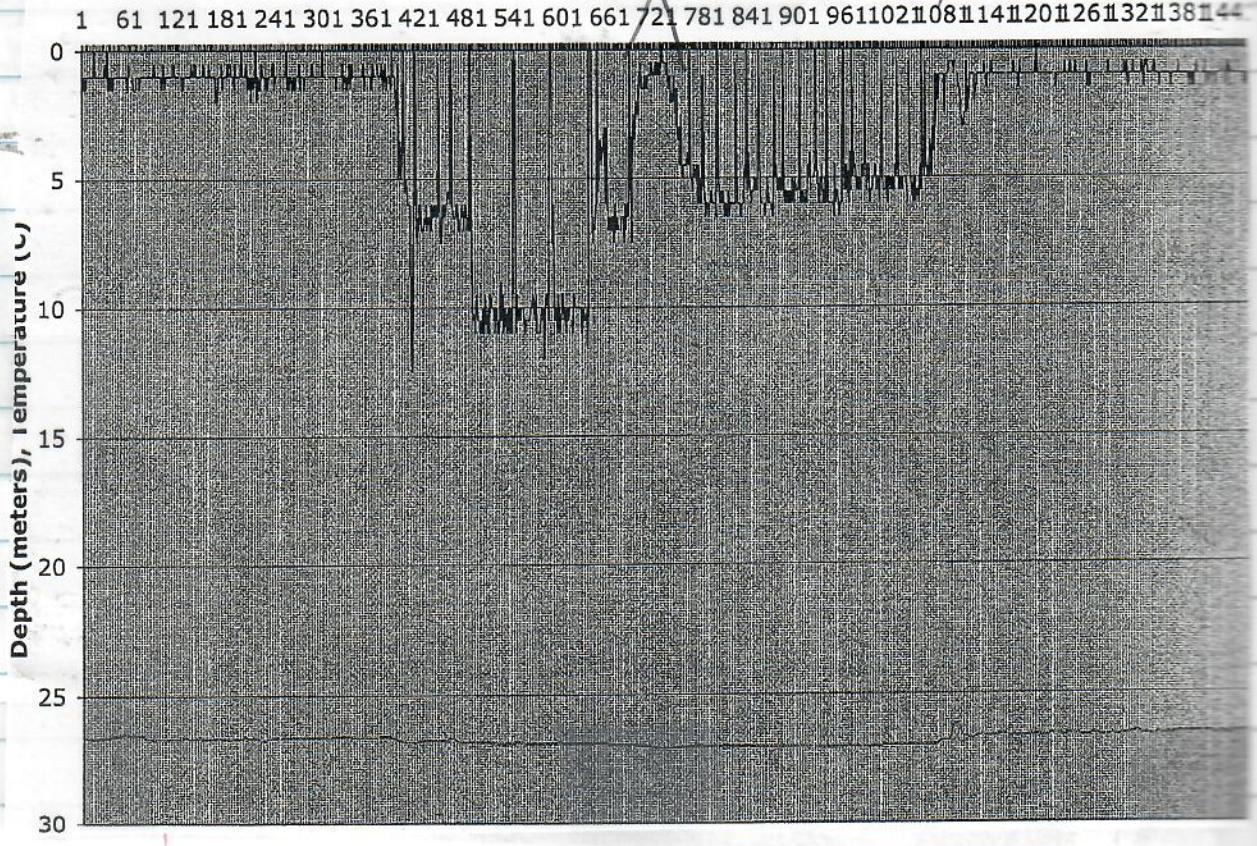


28

Time (minutes) 10-28



Time (minutes) 10-29



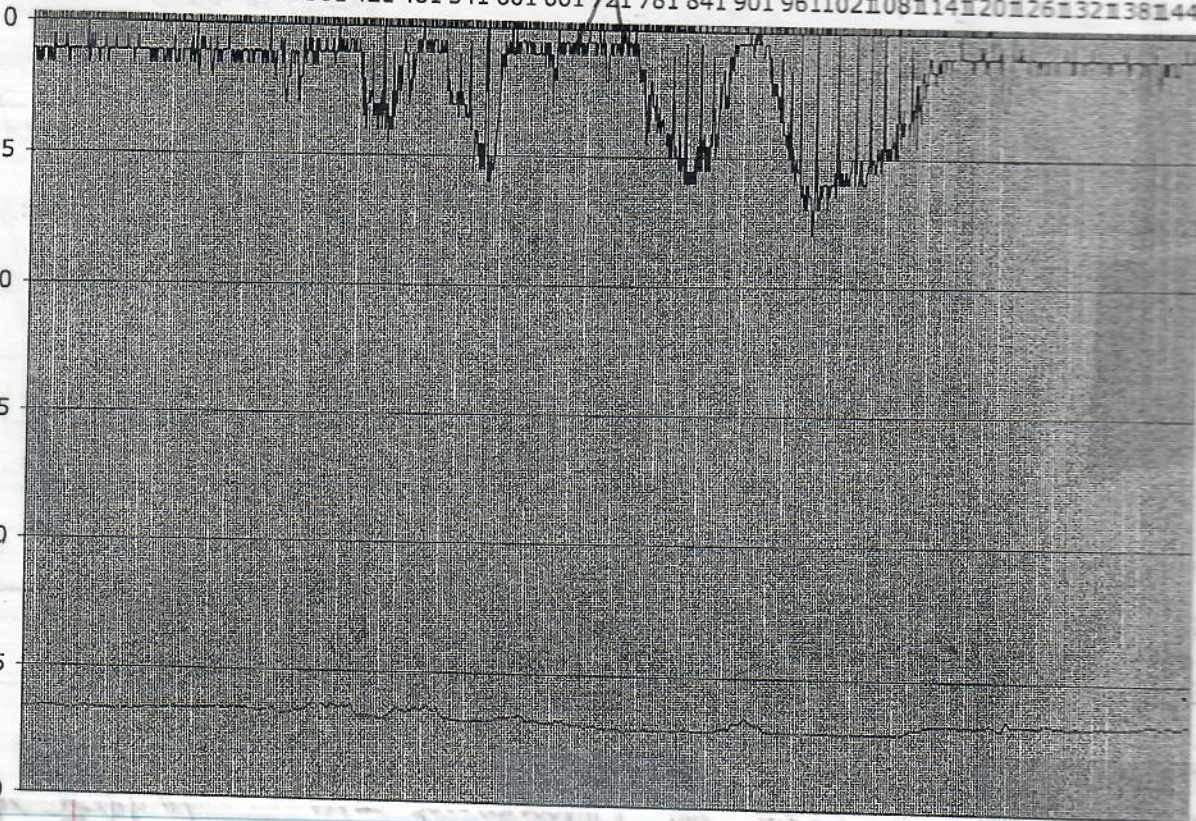
Time (minutes)

10-30-03

29

1 61 121 181 241 301 361 421 481 541 601 661 721 781 841 901 961 1021 1081 1141 1201 1261 1321 1381 1441

Depth (meters), Temperature (C)



Friday L4

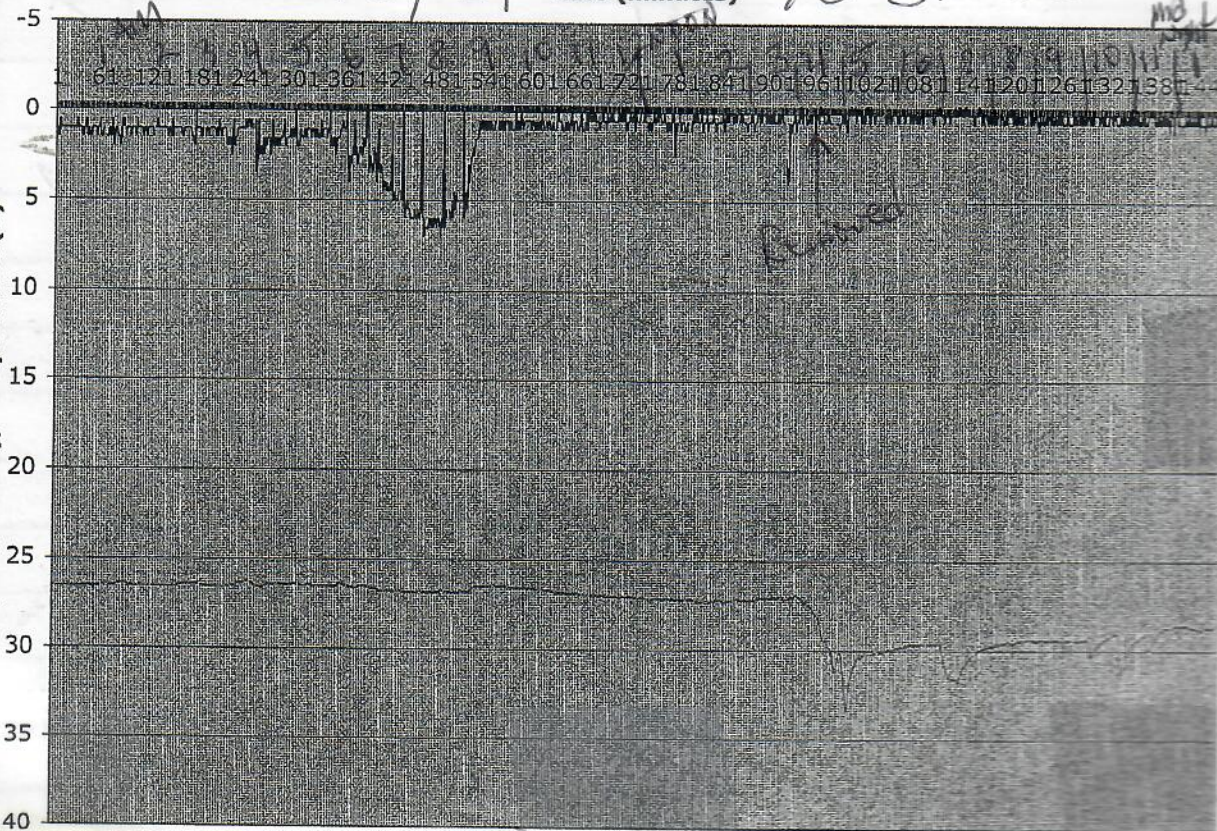
Time (minutes)

10-31-03

m3 L

1 61 121 181 241 301 361 421 481 541 601 661 721 781 841 901 961 1021 1081 1141 1201 1261 1321 1381 1441

Depth (meters), Temperature (C)



(30)

see from page

overcast - moderate wind -
RAID MISTS occasionally.

April I, 2004
Thursday

late afternoon ~ 4pm
MARC, Sandy Watson, 5 MPA students + Joanne
walking along rocks - A large

Ashley
Kvalei
Sky
Alema
Lydia

AT
Bitch
#250?
Sandy
Watson
2 nights?

and small seen basking at
new site - Honulani Iki.
70 pecks Cove - 8 in here,
several high & dry but none
trapped. Tagged 16 (MT P4 - P4
P4 & P5 had tumors - could be

Reminds
me of
turtles
at
Pecker!

considered "stragglers".

Came back to Honulani Iki - Tagged the
smaller of 2 rock baskers - The large
are never left!

MARC and I ate at Cholos.

No turtles on the beach night of 4/1 - Rainy
also in A.M. of 4/2 Friday

See continuation - page 156 Book I.

new mt p4 on 2nd lateral
left and right
mild emaciation

31

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 4/01/04

new MT "P4"

CAPTURE DATE, LOCATION AND METHOD:

4-01-04 Pecks Cove, N. Shore Oahu
PERSON RECORDING DATA: Ashley basking on rocks

2nd lat L&R

TUMOR SCORE

2

ORAL TMRS EXT:
YES OR NO

N

EMACIATION CODE

0

OLD TAGS:

Empty boxes for old tags

NEW TAGS:

RFL
LFL LHE
44524C2335
Barcode

STRAIGHT CARAPACE - LENGTH:

50.2 cm

WIDTH:

40.7 cm

NOTCH LENGTH:

49.7 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

58.5 cm

WIDTH:

— cm

HEAD WIDTH:

— cm

AXIAL:

— cm

LATERAL:

— cm

PPS: YES OR NO OR NE

—

SEX: Male, Female or Undetermined

U

TAIL LENGTH: T

— cm

Mouth -
multilobed
Tongue -
#2

RIGHT FRONT FLIPPER WIDTH:

— cm

SAMPLES COLLECTED:

leech eggs

PLASTRON LENGTH:

— cm

WEIGHT:

— #

DESCRIPTIVE REMARKS:

#1
13 REF
3-#2 NECK
3-#15 REYE
2-#15 L EYE

+ MARC/MPA/JOANNE Pettigrew

32

Revised 04/04/01

NMFS, HONOLULU LAB
Marine Turtle Research
2570 Dole Street
Honolulu, HI 96822-2396

1-#1 RIT

1-#1
1-#2
EYES
REYE #1
1-#1
1-#2

new MT "P5"

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 4/01/04

CAPTURE DATE, LOCATION AND METHOD:

4-01-04 Pecks Cove BASKING ON ROCKS

PERSON RECORDING DATA:

Ashley

TUMOR SCORE

3

ORAL TMRS EXT:

YES OR NO

Y

EMACIATION CODE

0

OLD TAGS:

Empty table for old tags

NEW TAGS:

RFL

LFL

4250335954



STRAIGHT CARAPACE - LENGTH:

52.5 cm

WIDTH: 41.8 cm

NOTCH LENGTH: cm

DB: L.O.

VB: L.O.

CURVED CARAPACE LENGTH:

57 cm

WIDTH: 50.5 cm

HEAD WIDTH: cm

AXIAL: cm

LATERAL: cm

PPS: YES OR NO OR NE

SEX: Male, Female or Undetermined

U

TAIL LENGTH: T cm

C cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH: cm

PLASTRON LENGTH: cm

WEIGHT: #

new MT P5 on 2nd lateral
left and right

DESCRIPTIVE REMARKS:

2-#1 LFF
1-#3

1-#2 glottis
2-#3 neck
1-#1 neck

1-#3
1-#1
3-#3-PP
1-#2-PP
1-#1-PP

forms/tagging.xls

leech eggs and adult leeches

+ ME/HPA/JP

Revised 04/04/01

2-#1 LFF

NMFS, HONOLULU LAB
Marine Turtle Research
2570 Dole Street
Honolulu, HI 96822-2396

SEA TURTLE TAGGING FORM

new
MT "P6"

1-#1 RFF

LEye 2-#1

REye 1-#1

33

DATE FORM FILLED OUT 4/01/04

CAPTURE DATE, LOCATION AND METHOD:

4-01-04 Peckes Cove

Leechus right jaw hinge

BASKING ON ROCKS

PERSON RECORDING DATA: Ashley

TUMOR SCORE

1

ORAL TMRS EXT:

YES OR NO

N

EMACIATION CODE

0

OLD TAGS:

Empty boxes for old tags

NEW TAGS:

4454316D5A

RFL

RHF



LFL

RHF

4452505F5A



STRAIGHT CARAPACE - LENGTH:

53.6 cm

WIDTH:

52.40.8 cm

NOTCH LENGTH:

53.2 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

58 cm

WIDTH:

50 cm

HEAD WIDTH:

— cm

AXIAL:

— cm

LATERAL:

— cm

PPS: YES OR NO OR NE

1

SEX: Male, Female or Undetermined

U

TAIL LENGTH: T

— cm

C

— cm

RIGHT FRONT FLIPPER WIDTH:

— cm

PLASTRON LENGTH:

— cm

WEIGHT:

— #

DESCRIPTIVE REMARKS:

SAMPLES COLLECTED: Empty boxes for sample collection

+ MR/HPA/JP

34

Revised 04/04/01

NMFS, HONOLULU LAB
Marine Turtle Research
2570 Dole Street
Honolulu, HI 96822-2396

new
MT "P7"

R Jaw Hinge 2-42
L Jaw Hinge 2-41

14#2
1-41 RFF

SEA TURTLE TAGGING FORM

Reye 2-41
L eye 1-41

DATE FORM FILLED OUT 4/01/04

CAPTURE DATE, LOCATION AND METHOD:

4-01-04 Pecks Cove, Oahu
PERSON RECORDING DATA: Ashley basking on rocks

TUMOR SCORE

1

ORAL TMRS EXT:
YES OR NO

8-

EMACIATION CODE

0

OLD TAGS:

Empty box for old tags

NEW TAGS:

44526B7574

RFF →
LFF LHF



424F386F40



STRAIGHT CARAPACE - LENGTH:

64.2 cm

WIDTH:

48.0 cm

NOTCH LENGTH:

64.3 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

70 cm

WIDTH:

59 cm

HEAD WIDTH:

— cm

AXIAL:

— cm

LATERAL:

— cm

PPS: YES OR NO OR NE

—

SEX: Male, Female
or Undetermined

0

TAIL LENGTH: T

— cm

C

— cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

PLASTRON LENGTH:

— cm

WEIGHT:

— #

DESCRIPTIVE REMARKS:

Empty box for descriptive remarks

90/100/100

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NMFS, HONOLULU LAB
Marine Turtle Research
2570 Dole Street
Honolulu, HI 96822-2396

new
MT "P8"

35

1-#3 smooth
tumor
also strangulated
by fishing line

Base of left front
flipper strangulated
with 10 pound fishing
line
DISENTANGLED

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 4/01/04

deep
cut

CAPTURE DATE, LOCATION AND METHOD:

4-01-04 Pecks Cove
PERSON RECORDING DATA: Ashley basking ON ROCKS

TUMOR SCORE
 2
ORAL FLAPS EXT:
YES OR NO

EMACIATION CODE

OLD TAGS:

NEW TAGS: 445457074F
RFL
LFL

STRAIGHT CARAPACE - LENGTH: 74.6 cm WIDTH: cm

NOTCH LENGTH: cm DB: L.O. VB: L.O.

CURVED CARAPACE LENGTH: 80.5 cm WIDTH: cm

HEAD WIDTH: cm AXIAL: cm LATERAL: cm

PPS: YES OR NO OR NE SEX: Male, Female or Undetermined U

TAIL LENGTH: T cm C cm

RIGHT FRONT FLIPPER WIDTH: cm SAMPLES COLLECTED:

PLASTRON LENGTH: cm incomplete tumor exam
plastron not exam

WEIGHT: # 1-#2 REF

DESCRIPTIVE REMARKS: possible long tail

check for
tumor

30

Revised 04/04/01

NMFS, HONOLULU LAB
Marine Turtle Research
2570 Dole Street
Honolulu, HI 96822-2396

MT "P9"
helmybia
7C Testament
Bernicles
Sorsal

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 4/01/04

P9

CAPTURE DATE, LOCATION AND METHOD:

4-01-04 Pecks Cove
PERSON RECORDING DATA: Ashley basking on Rocks

TUMOR SCORE

0

ORAL TMRS EXT:
YES OR NO

—

EMACIATION CODE

0

OLD TAGS:

[Empty boxes for old tags]

NEW TAGS:

4452626836

RHF →



LHF →

44524F5B04



STRAIGHT CARAPACE - LENGTH:

78.3 cm

WIDTH:

60.9 cm

NOTCH LENGTH:

78.2 cm

DB:

7 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

84.5 cm

WIDTH:

— cm

HEAD WIDTH:

— cm

AXIAL:

— cm

LATERAL:

— cm

PPS: YES OR NO OR NE

—

SEX: Male, Female
or Undetermined

M

Signature

TAIL LENGTH: T

— cm

C

— cm

SAMPLES COLLECTED:

RIGHT FRONT FLIPPER WIDTH:

— cm

long tail → BLAZE

PLASTRON LENGTH:

— cm

WEIGHT:

— #

DESCRIPTIVE REMARKS:

[Redacted]

incomplete
check for
TUMORS

Resight of MT "A" 4/1/04 at HLI (Honulani Iki)

FOY, TOPS →

in water but
Attempted to haul
out on rocks

end

37

Revised 04/04/01

AT HLI resite of MT "A"
Honulani Iki

NMFS, HONOLULU LAB
Marine Turtle Research
2570 Dole Street
Honolulu, HI 96822-2396

New MT "I1"

2-#2 RFF

2-#2
1-#1 neck

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 4/01/04

CAPTURE DATE, LOCATION AND METHOD:

4-01-04 HLI-HONULANI IKI (new study site name)

PERSON RECORDING DATA:

basking on rock ledge

TUMOR SCORE

0

ORAL TMRS EXT:

YES OR NO

-

EMACIATION CODE

0

OLD TAGS:

Empty table for old tags

NEW TAGS:

443A125F7C

RFL RHF →



LHF →

4455195466



STRAIGHT CARAPACE - LENGTH:

59.5 cm

WIDTH:

47.3 cm

NOTCH LENGTH:

59.6 cm

DB:

0 L.O.

VB:

0 L.O.

CURVED CARAPACE LENGTH:

63.5 cm

WIDTH:

57.0 cm

HEAD WIDTH:

- cm

AXIAL:

- cm

LATERAL:

- cm

PPS: YES OR NO OR NE

-

SEX: Male, Female or Undetermined

U

TAIL LENGTH: T

- cm

C

- cm

RIGHT FRONT FLIPPER WIDTH:

- cm

PLASTRON LENGTH:

- cm

WEIGHT:

- #

DESCRIPTIVE REMARKS:

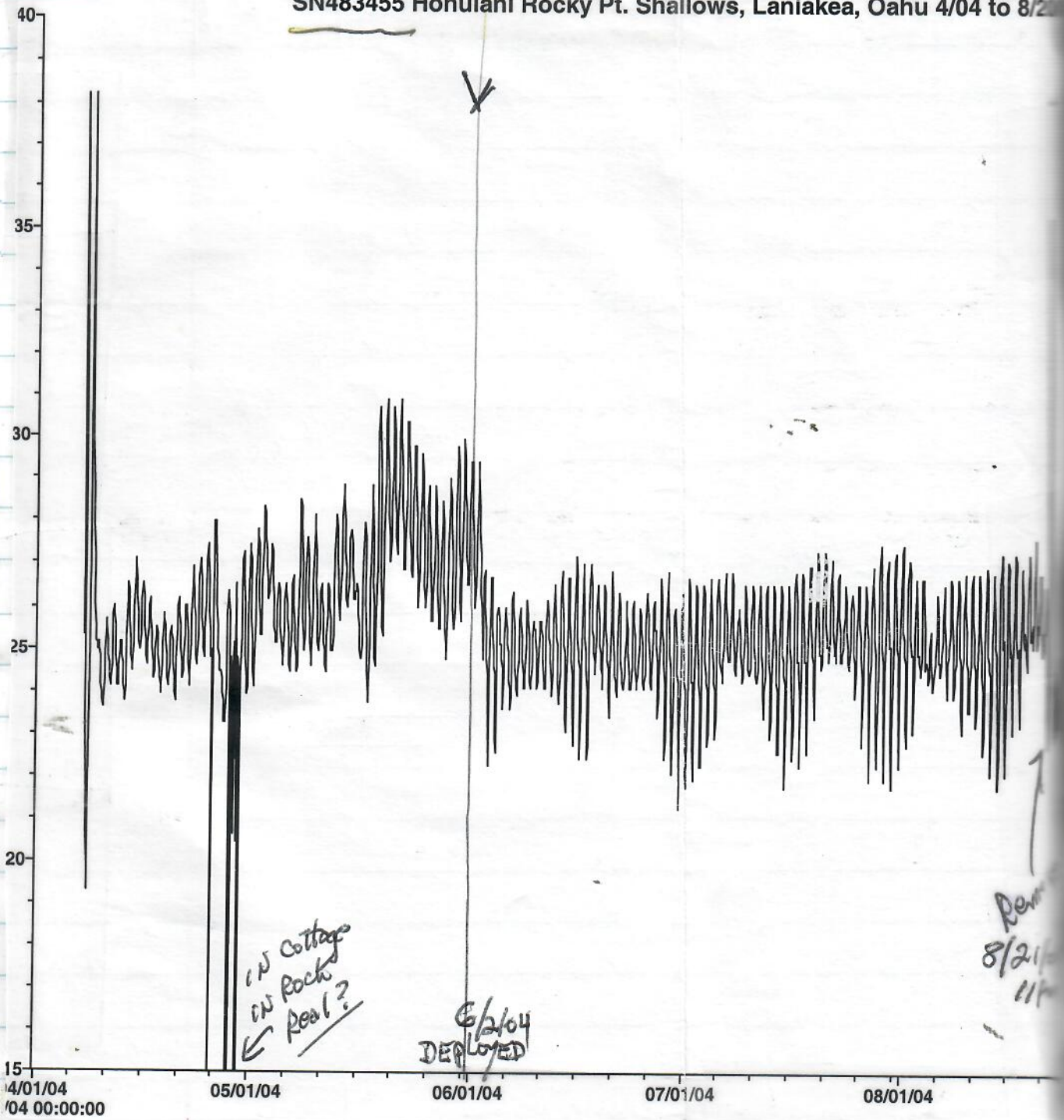
Empty box for descriptive remarks

SAMPLES COLLECTED:

incomplete tissue exam

38

SN483455 Honulani Rocky Pt. Shallows, Laniakea, Oahu 4/04 to 8/2004



see p. 43

8/2/04 11:00

Faded handwriting at the top of the page, possibly including "Holo/1/2" and "2nd contact 10/12/04".

Date: Tue, 13 Apr 2004 06:07:55 -1000
From: Shawn Murakawa <smurakaw@honlab.nmfs.hawaii.edu>
To: George H. Balazs <gbalazs@honlab.nmfs.hawaii.edu>
Subject: Re: "P5" contact

37-6962

On Mon, 12 Apr 2004, George H. Balazs wrote:

I printed this after you gave me the phone number, but someone else took it from the printer, so I need to tel number again later in the week. sorry.

On Mon, 12 Apr 2004, Shawn Murakawa wrote:

> Jessica Malcolm, 61-555 Pohaku Loa Way, Haleiwa 96712.
>
> *****

(No. 13)

Faded handwriting at the bottom left, possibly "Holo/1/2".

Faded handwriting at the bottom center, possibly "19/12/04".

(40)

L3 ↓ 9/04

2nd lateral left

5/16/04



L5 ↓



1st lateral left

5/16/04

(41)



L6 3rd Lateral Left

(42)

L6 ↓

5/16/04

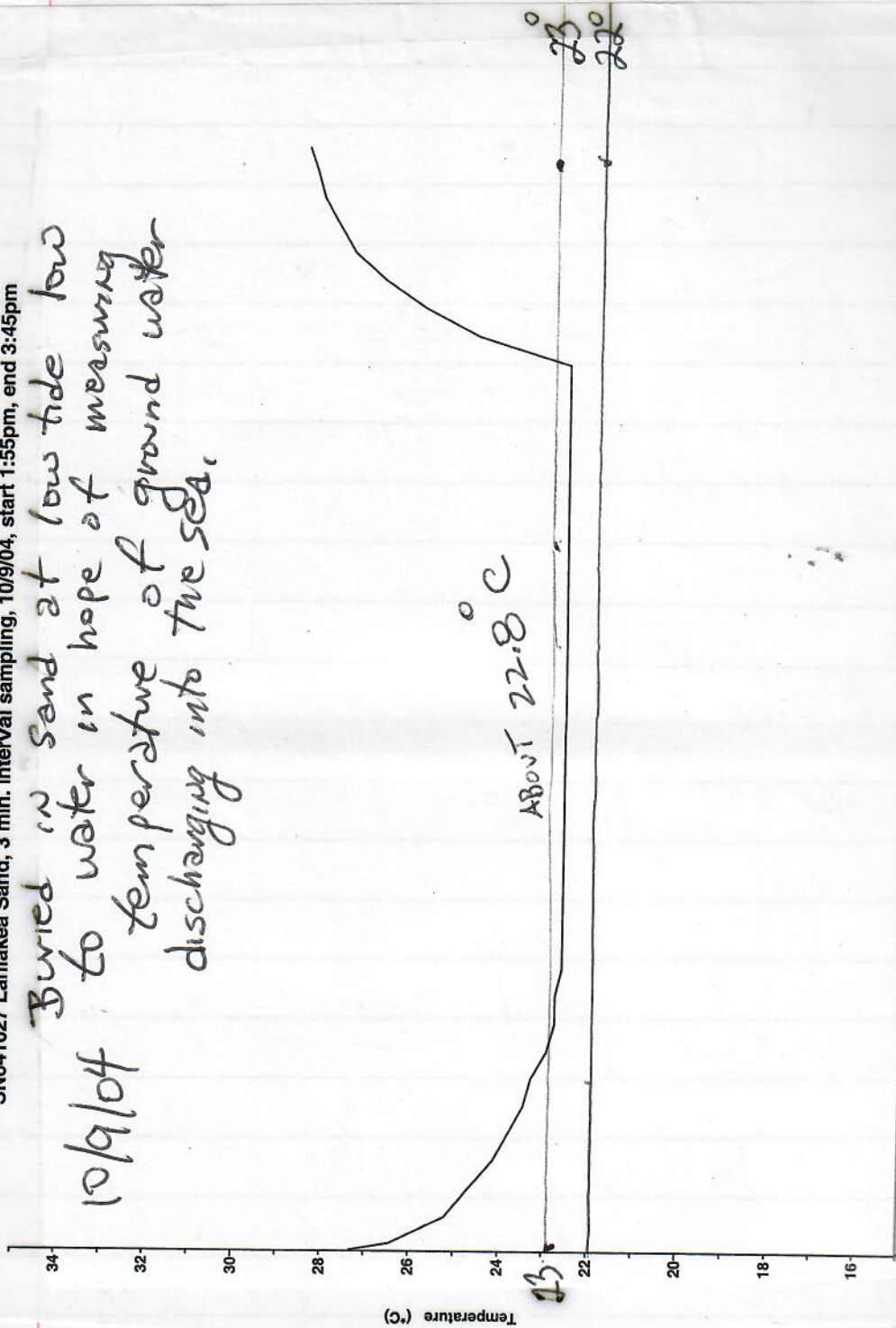


5/16/04

5/16/04

SN641027 Laniakea Sand, 3 min. interval sampling, 10/9/04, start 1:55pm, end 3:45pm

10/9/04
Buried in sand at low tide but
to water in hope of measuring
temperature of ground water
discharging into the sea.



L1's Return from FPS!

8/25/04



77



Почка

Почка

44

W. L. P. ...



JOCKO'S

46

§ 17.2

§ 17.2 Scope of regulations.

(a) The regulations of this part apply only to endangered and threatened wildlife and plants.

(b) By agreement between the Service and the National Marine Fisheries Service, the jurisdiction of the Department of Commerce has been specifically defined to include certain species, while jurisdiction is shared in regard to certain other species. Such species are footnoted in subpart B of this part, and reference is given to special rules of the National Marine Fisheries Service for those species.

(c) The provisions in this part are in addition to, and are not in lieu of, other regulations of this subchapter B which may require a permit or prescribe additional restrictions or conditions for the importation, exportation, and interstate transportation of wildlife.

(d) The examples used in this part are provided solely for the convenience of the public, and to explain the intent and meaning of the regulation to which they refer. They have no legal significance.

(e) Certain of the wildlife and plants listed in §§ 17.11 and 17.12 as endangered or threatened are included in Appendix I, II or III to the Convention on International Trade in Endangered Species of Wild Fauna and Flora. The importation, exportation and reexportation of such species are subject to additional regulations provided in part 23 of this subchapter.

[40 FR 4415, Sept. 26, 1975, as amended at 42 FR 10465, Feb. 22, 1977]

§ 17.3 Definitions.

In addition to the definitions contained in part 10 of this subchapter, and unless the context otherwise requires, in this part 17:

Act means the Endangered Species Act of 1973 (16 U.S.C. 1531-1543; 87 Stat. 884);

Adequately covered means, with respect to species listed pursuant to section 4 of the ESA, that a proposed conservation plan has satisfied the permit issuance criteria under section 10(a)(2)(B) of the ESA for the species covered by the plan, and, with respect to unlisted species, that a proposed

conservation plan has satisfied the permit issuance criteria under section 10(a)(2)(B) of the ESA that would otherwise apply if the unlisted species covered by the plan were actually listed. For the Services to cover a species under a conservation plan, it must be listed on the section 10(a)(1)(B) permit.

Alaskan Native means a person defined in the Alaska Native Claims Settlement Act (43 U.S.C. 1603(b) (85 Stat. 588)) as a citizen of the United States who is of one-fourth degree or more Alaska Indian (including Tsimshian Indians enrolled or not enrolled in the Metlaktla Indian Community), Eskimo, or Aleut blood, or combination thereof. The term includes any Native, as so defined, either or both of whose adoptive parents are not Natives. It also includes, in the absence of proof of a minimum blood quantum, any citizen of the United States who is regarded as an Alaska Native by the Native village or town of which he claims to be a member and whose father or mother is (or, if deceased, was) regarded as Native by any Native village or Native town. Any citizen enrolled by the Secretary pursuant to section 5 of the Alaska Native Claims Settlement Act shall be conclusively presumed to be an Alaskan Native for purposes of this part;

Authentic native articles of handicrafts and clothing means items made by an Indian, Aleut, or Eskimo which (a) were commonly produced on or before December 28, 1973, and (b) are composed wholly or in some significant respect of natural materials, and (c) are significantly altered from their natural form and which are produced, decorated, or fashioned in the exercise of traditional native handicrafts without the use of pantographs, multiple carvers, or similar mass copying devices. Improved methods of production utilizing modern implements such as sewing machines or modern techniques at a tannery registered pursuant to § 18.23(c) of this subchapter (in the case of marine mammals) may be used so long as no large scale mass production industry results. Traditional native handicrafts include, but are not limited to, weaving, carving, stitching, sewing, lacing, beading, drawing, and painting. The formation of traditional native groups

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such as cooperatives, is permitted so long as no large scale mass production results;

Bred in captivity or *captive-bred* refers to wildlife, including eggs, born or otherwise produced in captivity from parents that mated or otherwise transferred gametes in captivity, if reproduction is sexual, or from parents that were in captivity when development of the progeny began, if development is asexual.

Captivity means that living wildlife is held in a controlled environment that is intensively manipulated by man for the purpose of producing wildlife of the selected species, and that has boundaries designed to prevent animal, eggs or gametes of the selected species from entering or leaving the controlled environment. General characteristics of captivity may include but are not limited to artificial housing, waste removal, health care, protection from predators, and artificially supplied food.

Changed circumstances means changes in circumstances affecting a species or geographic area covered by a conservation plan that can reasonably be anticipated by plan developers and the Service and that can be planned for (e.g., the listing of new species, or a fire or other natural catastrophic event in areas prone to such events).

Conservation plan means the plan required by section 10(a)(2)(A) of the ESA that an applicant must submit when applying for an incidental take permit. Conservation plans also are known as "habitat conservation plans" or "HCPs."

Conserved habitat areas means areas explicitly designated for habitat restoration, acquisition, protection, or other conservation purposes under a conservation plan.

Convention means the Convention on International Trade in Endangered Species of Wild Fauna and Flora, TIAS 8249.

Enhance the propagation or survival, when used in reference to wildlife in captivity, includes but is not limited to the following activities when it can be shown that such activities would not be detrimental to the survival of wild or captive populations of the affected species:

(a) Provision of health care, management of populations by culling, contraception, euthanasia, grouping or handling of wildlife to control survivorship and reproduction, and similar normal practices of animal husbandry needed to maintain captive populations that are self-sustaining and that possess as much genetic vitality as possible;

(b) Accumulation and holding of living wildlife that is not immediately needed or suitable for propagative or scientific purposes, and the transfer of such wildlife between persons in order to relieve crowding or other problems hindering the propagation or survival of the captive population at the location from which the wildlife would be removed; and

(c) Exhibition of living wildlife in a manner designed to educate the public about the ecological role and conservation needs of the affected species.

Endangered means a species of wildlife listed in §17.11 or a species of plant listed in §17.12 and designated as endangered.

● *Harass* in the definition of "take" in the Act means an intentional or negligent act or omission which creates the likelihood of injury to wildlife by annoying it to such an extent as to significantly disrupt normal behavioral patterns which include, but are not limited to, breeding, feeding, or sheltering. This definition, when applied to captive wildlife, does not include generally accepted:

(1) Animal husbandry practices that meet or exceed the minimum standards for facilities and care under the Animal Welfare Act,

(2) Breeding procedures, or

(3) Provisions of veterinary care for confining, tranquilizing, or anesthetizing, when such practices, procedures, or provisions are not likely to result in injury to the wildlife.

Harm in the definition of "take" in the Act means an act which actually kills or injures wildlife. Such act may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding or sheltering.

Incidental taking means any taking otherwise prohibited, if such taking is

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§ 17.4

incidental to, and not the purpose of, the carrying out of an otherwise lawful activity.

Industry or trade in the definition of "commercial activity" in the Act means the actual or intended transfer of wildlife or plants from one person to another person in the pursuit of gain or profit;

Native village or town means any community, association, tribe, clan or group;

Operating conservation program means those conservation management activities which are expressly agreed upon and described in a conservation plan or its Implementing Agreement, if any, and which are to be undertaken for the affected species when implementing an approved conservation plan, including measures to respond to changed circumstances.

Population means a group of fish or wildlife in the same taxon below the subspecific level, in common spatial arrangement that interbreed when mature;

Properly implemented conservation plan means any conservation plan, Implementing Agreement and permit whose commitments and provisions have been or are being fully implemented by the permittee.

Specimen means any animal or plant, or any part, product, egg, seed or root of any animal or plant;

Subsistence means the use of endangered or threatened wildlife for food, clothing, shelter, heating, transportation and other uses necessary to maintain the life of the taker of the wildlife, or those who depend upon the taker to provide them with such subsistence, and includes selling any edible portions of such wildlife in native villages and towns in Alaska for native consumption within native villages and towns;

Threatened means a species of wildlife listed in § 17.11 or plant listed in § 17.12 and designated as threatened.

Unforeseen circumstances means changes in circumstances affecting a species or geographic area covered by a conservation plan that could not reasonably have been anticipated by plan developers and the Service at the time of the conservation plan's negotiation and development, and that result in a

substantial and adverse change in the status of the covered species.

Wasteful manner means any taking or method of taking which is likely to result in the killing or injury of endangered or threatened wildlife beyond those needed for subsistence purposes, or which results in the waste of a substantial portion of the wildlife, and includes without limitation the employment of a method of taking which is not likely to assure the capture or killing of the wildlife, or which is not immediately followed by a reasonable effort to retrieve the wildlife.

[40 FR 44415, Sept. 26, 1975, as amended at 42 FR 28056, June 1, 1977; 44 FR 54006, Sept. 17, 1979; 46 FR 54750, Nov. 4, 1981; 47 FR 31387, July 20, 1982; 50 FR 39687, Sept. 30, 1985; 63 FR 8870, Feb. 23, 1998; 63 FR 48639, Sept. 11, 1998]

§ 17.4 Pre-Act wildlife.

(a) The prohibitions defined in subparts C and D of this part 17 shall not apply to any activity involving endangered or threatened wildlife which was held in captivity or in a controlled environment on December 28, 1973: *Provided,*

(1) That the purposes of such holding were not contrary to the purposes of the Act; and

(2) That the wildlife was not held in the course of a commercial activity.

Example 1. On January 25, 1974, a tourist buys a stuffed hawksbill turtle (an endangered species listed since June, 1970), in a foreign country. On December 28, 1973, the stuffed turtle had been on display for sale. The tourist imports the stuffed turtle into the United States on January 26, 1974. This is a violation of the Act since the stuffed turtle was held for commercial purposes on December 28, 1973.

Example 2. On December 27, 1973 (or earlier), a tourist buys a leopard skin coat (the leopard has been listed as endangered since March 1972) for his wife in a foreign country. On January 5, he imports it into the United States. He has not committed a violation since on December 28, 1973, he was the owner of the coat, for personal purposes, and the chain of commerce had ended with the sale on the 27th. Even if he did not finish paying for the coat for another year, as long as he had possession of it, and he was not going to resell it, but was using it for personal purposes, the Act does not apply to that coat.

Example 3. On or before December 28, 1973, a hunter kills a leopard legally in Africa. He has the leopard mounted and imports it into

(52)
7-1-04
Thursday

Arrive 2 pm - no turtles
on the beach all A.M. very
calm seas.

Picked one ziplock of ULVA -
into freezer - fed a little to see ID's.
3 Bags picked and frozen the other day.
4 in freezer now

Took video. See page - Log

Depart 7 pm
LG still on the beach,
only 4 people.

Fed. Holiday

(53)

7/5/04 Arrive 3:45 pm lots

Monday of people. Several turtles
near shore. none basking.

Hot - Highway bumper-to-bumper.

5:45 pm walked to the west -

6-19 large turtles sliding back
and forth feeding on beach -

"^{mowing} ^{grazing} the grass" L6 was
amongst them.

Joanne said L7 was out basking (for) awhile today.

Depart 7 pm - no one basking.

(See other book for 7-7-04 evening/overnight
recovery of LI's MK7 TDR).

7/9/04 Arrived ~ 1:30 pm LI for basking,
Friday Keith Swingle came and we talked
on the beach for ~ 1 hour.

Upon my arrival old Japanese woman was
pouring bags of sea water on LI -
couldn't speak English according to daughter.
Turtle made no movements each time
bag of water poured (2-3 times).
Later both L7 and L1 floated out close

(54)

7/9/04 to no another, Digital Friday pictures - also with Japan tour group.

About 3pm Keith & I went to Waipua to pick up lethargic turtle found floating close to shore, I returned to Honolani, Departed for Halawa to meet TW for recaptures - arrived there ~ 6 pm.

7/10/04 Arrive Lanai 3:45 pm
Saturday

This turtle has a healed distinctive indent to right postero-marginals

3 Basking LI for NO PIT TAGS seen just for 4
and L6 O (3rd lateral left) MARK

Stopped at Pafailoa 3:15 pm right of way to see if small tumored turtle was still out near "Tide pool" immediately to the left - seen by Joanne at 7:30 am this morning. Not found. Family there - baby grabbed turtle feces pellet on the beach.

Digital photo of fisherman with large turtle exposed on bench feeding nearby.

Bring "Do NOT Touch"
concrete sign closer to water

(55)

7/10/04 Numerous large turtles today on the beach
SATURDAY exposed when waves pull back.

At HONOLULU I spoke at length with a
JON JOHNSON (works at justice dept) very interested
in turtles. Saw 5 teenage girls get
picture taken with LB basking - all touched
shell at once for picture. I should have ran down
to take my own picture. Girls also wetted
their hand with water and rubbed all over
the carapace - "turtle massage"? :)
No response whatsoever from the turtle -
maybe she liked it as with grooming by
cleaner fish?

Dan told be about women with
turtle designs on surf board + HONOLULU
tattoo on back - we walked down to
where they were loading board and
took digital pictures.

Man reported seeing medium size tumored turtle
feeding 150 yard to west on beach.
Departed ~ 6 pm.

Postnote - ^{with Dan} Discussed "folklore" (= "old wives tale")
on touching turtles - give them disease -
or get diseased.

(56)

Number Parked Cars at 330pm = 51

JULY 10 2004 Arrive 2pm
7/11/04 Sunday are turtle out

Subadult ♀ (far) = gone at 3pm
Likely are from yesterday - NO P

305pm ^{newly} L6 hauled out - disk on ^{3rd} leg

People Count = ~ 50 Cove area ~ 30 far
Cove in the water = ~ 45 most all standing
They come & go - seem very fluid - lots of
turnover.

extreme?

Hawaii Tour and Travels, com
922-4884

4pm L3 came out (Mid)
L6 went back in (far) 5min

"PICTURE TAKING WITH THE TURTLES"

"FUN IN THE SUN" - HONOLULU
TURTLE INDEPENDENCE DAY

SAW L15 and L7 in shallow
feeding ~ 5pm.
Departed 630PM - L3 on the beach

"The DIVINE WIND"

Cut clothing
to prepare
for Resin on.

(57)

CONTINUE TO TAKE assortment of
pictures of people taking pictures of
people with basking turtles.
Depart ~ 6:30 pm.

JULY 14, 04 Arrive ~ 2:30 pm -
Wednesday Cody drove stake bed
with 2 new concrete signs ① Basking
text sign ② Double sign warning at top
Do not touch bottom.
Placed by tree by visitor log - ② by rocks
close to beach facing seaward.

At 3:30 pm many people in the water
and down by limestone beach
many turtles feeding - sliding back and
forth - Tour vans dropping people
off there to watch turtles - take
pictures. I took pictures of it
all, including woman picking helwa
with turtle nearby eating helwa.
Influences of people very "pulsed."

BACKNOTE - Little kids not controlled by
Adults can be obnoxious - but still NO Response

(58)

7/14/04 From Turtles - no reaction. Sole negative Wednesday is from people watching this happen, not from the turtles.

Numbers of people dropped astronomically from ~100 to ~8 at 5:15pm. A light rain shower can't really account for this.

What is the longest, and shortest, any one stays?

need ① Select signs
② Bolts & NUTS size =

** → Need vest - double-sided signs bolted to 3 or 4 posts above coral bench feed area.

Virtually no swell, no waves, for ~2 weeks or more now.

Man ~35 and wife crew cut from San Diego engaged me in conversation when he saw me move the saw-horse sign. He said that if he was an enforcement officer he would cite everyone feeding and touching the turtles. In San Diego they rope off an area to keep people away from the sea lions. When all done expressing his views, he got down close to L6 basking

7/14/04 to have his picture taken - arms
Wednesday length.

Note - Recently the turtles basking are all
located at the "far" beach position

540pm Not fit to make immature ashore for
only 10 minutes near L6. - didn't
seem disturbed back - just went in on his
own.

Depart 630pm

7/16/04 Arrive w/turtle 145pm
Friday LI just hauled out - F&E

UNMARKED w/fit recent haulout also F&E
(posterior indent to right marginals - old)

7/16/04 2 surveys sent by Architect for David

Sarah Bueno
Assistant Manager of Production

FedEx Kinko's
Office and Print Services

Jimbo

Jaime Alimboguan, LLC
672-8589 cell: 389-8589

1000 Kamehameha Highway
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Pearl City, HI 96782-2596
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(60)

2nd Lot L&R

Juvenile
Warning

7/16/04
Friday

Release
Rehab ID -
RFF old amputation released
3:30pm Honolulu - blew air
from lungs, drove and swam
straight out - gone

(1) ^{Basking} PIT "F24" = L11 - NOT visible (Marginal indentations) out 4:30pm
L (front) PIT "A32" LH = L10

(2) disk 2nd Lot = L3 4AM out to bask

(3) L5 by new sign concrete 4:30pm Pictures w/ children

"5 at 2 time" Most ^{Aspire} IN A Long Time.

(4) LI fan

put up 2 double signs new along highway
above limestone feeding area. FAE = do not touch the turtle
to warn toward high - "Warning" facing ocean. Mid ^{opposite} orientat.
while sitting by a turtle -
Girl Asking me "How come we can't pet the turtles?" she has
"three"

Depart 6:55 AM -

BASK #3 still there L7, L3 & L11

I explained "give each take a mile" she thought that
was the best explanation.

Revised 01/17/03

NMFS, HONOLULU LAB
Marine Turtle Research
2570 Dole Street
Honolulu, HI 96822-2396

SEA TURTLE TAGGING FORM

DATE FORM FILLED OUT 7/16/04

CAPTURE DATE, LOCATION AND METHOD:

Elvis Lanford via
Ethan Morgan

06-20-04

61
Released by GB
at Lanika, Oahu
330PM - swam out
strong, quick
2nd straggling
Location: Waianae, Oahu

PERSON RECORDING DATA: SKXW

TUMOR SCORE

0

ORAL TMRS EXT:

YES OR NO

-

EMACIATION CODE

0

OLD TAGS:

[Blank box with diagonal line]

NEW TAGS:

4412087132

RHF

[Barcode]

LHF

4414246412

[Barcode]

MT# "12" on 2nd L./R. laterals, white paint

STRAIGHT CARAPACE - LENGTH:

46.8 cm

WIDTH: 37.7 cm

NOTCH LENGTH: 46.5 cm

DB: 0 L.O.

VB: 0 L.O.

CURVED CARAPACE LENGTH:

50.5 cm

WIDTH: 44.0 cm

HEAD WIDTH: 7.8 cm

AXIAL: 17.8 cm

LATERAL: 18.0 cm

PPS: YES OR NO OR NE

N

SEX: Male, Female
or Undetermined

U

TAIL LENGTH: T 110.0 cm

C 8.0 cm

SAMPLES COLLECTED:

left
RIGHT FRONT FLIPPER WIDTH:

8.3 cm

PLASTRON LENGTH: 37.3 cm

WEIGHT: 300.0 #

GLUCOSE:

GB MR

94 93

DESCRIPTIVE REMARKS:

CA on Carapace
RF# amputated and healed
MOSTLY

from neck

(62)

Registered Tattoo photo on Back. picture taken.

7/18/04 ARRIVE 2 PM
Sunday "indent" Right posterior
Subadult, still out
(came out at 1 PM) for

L1 near out basking
photos w/3 of us
L3 out nearby

Joe & Chris + Chris' girlfriend ^{from} MORIN
... last name

Depart 4:00 PM to airport
for Palau Molokai

L7 seen in shallows.
Seen at FFS at "Serendipity"
reef inside double reef near JW.
Note L7 - bites only on front
flippers, none on tail or hind flippers

(7/19-7/23/04 Palau Molokai)

Need - title for Howlandi. (63)
TALK APPARITION
MIRACLE

Heavenly turtles of Howlandi
TALK notes - where

Need - ① Weights L1 & L7

② hatchlings from L4. for DNA
DATA & Logs put with L4?

Denise - Speed of Travel - mean +
FFS range
+ Rose Atoll

7/25/04 Arrive, 2:30 pm. Cam has been
Sunday down for 2 days. IP Charge?
now 66.8.225.163

Keith (FWS) & Rachel beschgoing,
courtesy amongst feeders

4-5 pm 9 at a time

L7, L13, L15, L3

TOOK MANY
DIGITAL
STILLS

7 = adult ♂, large adult ♀,
Subadult w/ small TMR R. JAW

(64)

THE ISSUE IS "PEOPLE SOCIOLOGY NOT TURTLE BIOLOGY"
need Susan Scott send

It takes a village
(Community) to
raise a child.
Teach properly.
Good manners.

7/25/04 Witnessed ^{apparently} negative events -
Sunday - man (likely military) harrying (hugging
actually) a turtle in the water
for a picture. I asked him
why he would do that with all
the signs - he said "everyone
else was touching them"

- Boy (~7 years old) - pushing (or trying
to push) semi-beached turtle back
into the water. I asked him to
stop and he did.

- Woman & several men (likely military)
women straddled semi-beached turtle
for picture. They placed bare foot
on posterior of shell to "push" into
deeper water. I admonished them
they rebutted. I told them I would call
enforcement, testify in court if needed,
use digital pictures I just took.
They retreated - then left.

For all of the above, I would not
discern any adverse behavior or offense
from the turtles involved. No sign
that they had been bothered (harassed).

NO BASKETS ALL DAY - too busy feeding? Lots of UVA by people.
DEPARTED 5:45 PM