

Second Chance Wildlife, Inc.  
Black Bear Rehabilitation, Research & Release

*(Ice & Frosty)*  
Dawn Brown's Records on two female black bear cubs (feeding increments, behavior not listed)

2-3-06 Biologist weighed cubs in the field at 1½ pounds. Cubs on arrival weighed - one at 1¾ of a pound the other 2pounds with the kitchen scale (estimated age 24 days)

Feedings every 2-3 hours in the beginning, then 3-4 hours, eventually feeding went to 4-6 hours then 6+ hours.

2-6-06 cubs weight - both weighing in at 2 ½ pounds.

2-11-06 -one cub weighs 3 pounds the other cub weighs just over 3 pounds.

Measurements were done on cubs three times during rehabilitation.

*\*Randy Cross had let me know how to measure the cubs.*

**2-16-06 (Frosty)-**  
Chest circumference> 9"  
neck circumference>7"  
tip of nose to tip of tail>17"  
hair on the back of neck> 7/8"  
from the notch of the base of the ear to the tip of the ear>1-1/8"

**2-16-06 (Ice)-**  
chest circumference 10"  
neck circumference 7 ¼ "  
tip of nose to tip of tail 17 "  
hair on back of neck 7/8"  
from the notch of the base of the ear to the tip of the ear 1-1/8"

**(Patten)**  
Dawn Brown's records on cub: Weights & Measurements during rehabilitation.  
Male neonatal Cub weights.

1-3-07 neonatal bear cub from -MDIFW  
Bear biologist Jennifer Vashon

Male cub was from Patten Maine  
- Logging incident

10 ounces - on arrival-umbilical cord still attached!

**1-7-07 > 23 ounces=1 lb 7 Oz.**  
Fast weight gain first few days  
\*(1-3-07 to 1-7-07)-weight gain approximately (3 oz daily)

1-8-07> 25 ounces=1 lb 9 Oz.  
1-10-07> 26 ounces=1lb 10 Oz.

1-12-07> 28 ounces=1lb 12 Oz.  
(1-12-07 to 1-14-07)-weight gain approximately (2 Oz. daily)  
1-14-07> 32 ounces=2lb

- **1-16-07> 35 ounces=2lb 3oz.**  
\*Approximately 1.57 oz weight gain per day from (1-16-07pm to 1-23-07am)=7 days
- **1-23-07>46 ounces=2lb 14 Oz.-**  
this is a longer period of time-do not know exact weight gain per day, just broke it down:  
**1.57x7=almost 11 Oz.-weight gain over 7 days.**

**\*TOTAL WEGHT GAIN**

**(Machias & Tug)**  
Dawn Brown's records (feeding increments, measurements not listed)

2-21-07 Weighed the cubs ( #85 weighed in at 6lbs 4 oz)(#86 weighed in at 6 lbs 8 oz)  
The cubs are growing well and are getting very active -climbing on the cedar logs and rolling around playing and just acting like bears-I am trying to create as natural of habitat as if they would be in the den with the mother sow; I have them bedded with spruce bows, pine In addition, Liken moss and twigs, bows...  
They play with the bows and smell them and taste them; I notice the cubs will open there mouths and smell each others breath as if to gain some kind of bond or just remember The smells in there mind.

3-29-07 The two female cubs are going with a surrogate sow, this is good; they have been in rehabilitation for 18 days-Bear biologist Randy Cross Pretty well with the release. The cubs names are (Machias#85-weight 9 lbs) and(Tug#86 10lbs 6oz)-On den release

3-29-07  
I am in hopes they will do well, they are a bit lager then the wild cubs-it is really difficult keeping cubs in the same weight range as the wild cubs, You do the Best you can.  
The little male cub *Patten* is doing well he went down east with a

2-16-06 cubs weight one at 3 ¾ the other at 4 pounds.

2-19-06 weights -one at 4 ½ pounds the other 4 ¾ pounds

- 2-19-06 Both cubs- left eye is open now, I am sure the other one will open soon.
- 2-21-06 Ice- opened her other eye.
- 2-24-06 Frosty- opened her other eye.
- 2-21-06 both eyes open on one of the cubs
- 2-24-06 both eyes open on the other cub

2-24-06- one cub at 5 ¼ pounds the other at 5 ¾ pounds.

2-27-06 Cubs are noticeable teething.

3-3-06 -one cub at 7 ½ pounds the other at 7 pounds

- 3-10-06 cubs approximately 8 weeks 3 days of age

Their teeth are defiantly protruding and their incisors and canines are visible and growing well. The premolars and molars are also coming though. Even at their size you do not want their jaw to muckle on to you, it hurts.

3-14-06 -one cubs weight at 9 ½ pounds the other at 9 pounds.

3-14-06-Cubs are approximately 9 weeks of age.

3-14-06-(Frosty-  
chest circumference -15 ¼”  
neck circumference- 9 ¼”  
tip of nose to tip of tail-23 ½”  
hair on back of neck-1½”

### IN 21 DAYS=36 Oz. = (2 lbs 4 Oz.)

Weigh gain seems to fluctuate a bit during growing stages. However, seemed more consistent as neonatal cub developed.

\* Neonatal Cub was in rehabilitation For 21 days.

#### 1-7-07>Cub measurements

- chest circumference > 6 -¾”
- Neck circumference > 4- ¾
- tip of nose to tip of tail > 10 -½”
- Hair on back of neck > 5/16”
- Notch @ base of front of ear to the tip >5/8”

#### 1-10-07> Measurements>

- Chest circumference > 7 -1/8”
- Neck circumference > 4- ¾ ”
- Tip of nose to tip of tail > 10 -¾ ”
- Hair on back of neck > 5/16”
- Notch @base of ear to tip/front > 5/8”

#### 1-16-07>Measurements>

- Chest circumference > 8 ¼ “
- Neck circumference > 5 -3/16”
- Tip of nose to tip of tail > 11½”
- Hair on back of neck > ¼”
- Notch @ base of front of ear to tip > ¾ “

#### 1-23-07> Measurements>

- Chest circumference> 9-1/2”
- Neck circumference> 6-1/2 ”
- Tip of nose to tip of tail>13-1/2”
- Hair on back of neck> 3/8”
- Notch @base of ear to tip/front> 1”

\*1-23-07 Cub-went to go down East

surrogate sow the end of January and the biologist checked on the den and he Weighed 5 lbs 6oz and looked To be I good condition.

#### Synopsis:

Female Cubs Machias & Tug:  
3-12-07 Two female bear cubs approximately 4 pounds each on arrival-From bear study/down east; biologist Randy Cross & the Crew said the first time mother abandoned Den and did not return for cubs. Good news-Biologist found A surrogate sow for the cubs, they went March 29, 2007-Everything went ok. I hope they do well. (“Machias”#85(2394) weighed 9lbs) (“Tug”#86(2395) weighed 10lbs 6 oz) put into the den with- (2118 a 9 year old sow) Down east.

Correspondence with:  
Bear biologist Randy Cross

Dawn - Of the 4 cubs with 2118 (incl Machias and Tug) only one of the natural born females was in the den as a Yearling last week. I will send you a summary of all the orphan outcomes at the end of denning - We just had a family of 4 yearlings including one orphan in Bradford where all 4 were present and weighed a total of 281 lbs. DE yearlings didn't fare as well as the Bradford ones in general (avg weight 20% lower as well As survival). We have visited 33 dens with 60 to go.-rc

notch of the front of the ear to tip of ear-3”

3-14-06 (Ice-

Chest circumference-15”

neck circumference-9 ¾”

tip of nose to tip of tail-22 ¾”

hair on back of neck-1½”

notch of the front of the ear to the tip-2 ½”

Days Between measurements-

2-16-06 to 3-14-06 -(27 days)

3-19-06 -both cubs weigh 11 pounds

3-23-06 estimated age 10 weeks 2 days

3-24-06 -one cub weighs 13 pounds the other at 13 pounds 4 ounces. Estimated age - (10 weeks and 3 days) Cubs in the wild are typically smaller at this age, often because of the winter elements.

They can have it a bit tougher with what Mother Nature can stir up.

3-25-06 Cubs going to surrogate mother sow in the north country, we are hoping all goes well. It is the ultimate situation, if it is possible to do and all works out.

\*Sow was showing movements on telemetry, and the bear study did not want to add any undo stress on her, and her cub/cubs. Cubs Ice & Frosty went back to rehab....

with biologist, They found a surrogate sow-hope he does well!

Spoke to Bear biologist Randy Cross 1-26-07 and he said he thinks things went good-We will find out over time-(Cub “Patten” is Doing Well!

3-16-07 den was checked -The cub “Patten” was checked on today by the biologist and he is adjusting well with his mom sow and siblings-he weighed 5lbs 6oz and seems too be in good shape.

Correspondence with:  
Biologist Randy Cross

- Pix of "Patten"(ID2352) with one of his foster sisters (he is the fuzzier one on the right) Dash is holding them. These pix were taken on March 16 and he weighed 5lb 6 oz. Sister shown was the smallest of the 3 natural cubs and weighed 4 lb 10 oz - the other 2 siblings, a male and female both weighed 5 lbs and 8 oz. Any cubs that may show up from now on will be in the pen. They shouldn't require much handling at this stage of the game. – rc

Patten's mother died mysteriously in mid summer (rd-kill, maybe) so I don't expect any info for him this winter. Bummer. Machias and Tug we should see.-rc

Dawn Brown's Records on:  
Male neonatal cub Patten's Feeding schedule:

Measured in (cc) All formula feedings are with Esbilac milk formula-2parts water to 1 part powder unless otherwise listed.

**1-3-07:**

**7:00 pm-7cc**

**9:10 pm-7cc**

**11:15 pm-6cc**

**1-4-07:**

**1:00am-6cc**

**2:10am-5cc**

**3:30am-8cc**

**5:05am-8cc**

**6:30am-8cc**

**8:15am-7cc**

**10:05am-7cc**

**11:45am-9cc**

**1:50pm-8cc**

**3:20pm-8cc**

**4:50pm-8cc**

**6:15pm-8cc**

**8:00pm-Electrolytes**

**10:10pm-7cc+1drop (pet nutri-drops)**

**1-5-07:**

**12:00 am-7cc**

**2:10 am-11cc**

**3:45am-10cc**

**6:15am-10cc+2 drops (Stat)**

**8:15am-10cc**

**10:00am-9.5cc+2 drops (Stat)**

**11:45am-12cc**

**2:00pm-6cc+3 drops (pet nutri- drops)**

**4:00pm-9cc+2 drops (Stat)**

**6:00pm-9cc+2 drops (Stat)**

**7:45pm-10cc+2 drops (Stat)**

**10:00pm9cc+2 drops (Stat)**

**1-6-07:**

**--I would put a small cup of boiling water in corner of box; secure, This helped greatly with keeping the neonate hydrated and quite comfortable, similar to an incubator.**

**12:00am-9cc**

**2:35am-10cc**

**4:30am-7cc**

**6:30am-7cc**

**8:00am-Electrolytes +6cc formula**

**10:20am-8cc**

**12:25pm-10.5cc**

2:25pm-9cc

4:15pm-8cc

6:20pm-12cc

8:20pm-12cc

1-7-07:

12:30am-12cc

3:00am-14cc

5:10am-14cc

7:30am-16cc

9:30am-14cc

11:40am-12cc

1:30pm-12cc

3:30pm-14cc

5:40pm-14cc

7:50pm-14cc

9:50pm-14cc

11:50pm-15cc

1-8-07:

1:30am-10cc

3:00am-10cc

4:30am-10cc

6:10am-12cc

8:10am-12cc

10:00am-10cc

12:15pm-10cc

2:15pm-11cc

4:15pm-11cc

6:30pm-12cc

9:00pm-12cc

10:35pm-12cc

--While using steam in box it would  
stop any crying/whimpering  
instantaneously!

1-9-07:

12:20am-12cc

1:45am-14cc

4:00am-10cc

7:30am-10cc

9:30am-12cc

11:30am-10cc

1:00pm-10cc

2:30pm-12cc

4:30pm-10cc

6:30pm-10cc

8:00pm-10cc

10:00pm-10cc  
1-10-07:  
12:00am-12cc  
2:00am-10cc  
3:45am-8cc  
6:00am-12cc  
8:00-12cc  
10:00-10cc  
12:00pm-9cc  
2:00pm-10cc  
4:05pm-12cc  
6:00pm-12cc  
8:00pm-14cc  
10:05pm-14cc  
1-11-07:  
12:20am-14cc  
2:40am-14cc  
5:20am-15cc  
7:20am-15cc  
10:00am-14cc  
12:pm-15cc  
2:40pm-15cc  
5:20pm-15cc  
7:10pm15cc  
10:10pm-16cc  
1-12-07  
1:00am-17cc  
4:00am-15cc  
7:00am-12cc  
9:30am-12cc  
11:30am-12cc  
2:00pm-14cc  
4:10pm-15cc(RENURSE-Canine  
Neonatal Formula)-I started to  
alternate formulas  
6:10pm-15cc  
8:20pm-15cc(renurse)  
10:20pm-14cc  
1-13-07:  
12:20am-15cc (Renurse)  
2:20am-17cc  
5:00am-17cc  
7:00am-17cc(Renurse)  
9:05am-18cc  
11:15am-14cc  
1:15pm-15cc(Just Born formula-has

colostrum)

3:15pm-15 cc

5:45pm-20cc

8:00pm-20cc

10:30pm-16cc

1-14-07:

1:10am-10cc

2:40am-5cc

4:00am-12cc

7:30am-12cc

9:10am-10cc

11:10am-15cc

1:15pm-14cc

3:10pm-10cc

5:15pm-15cc

9:15pm-15cc

11:20pm-15cc

1-15-07:

2:20am-15cc

4:20am-15cc

6:00am-15cc

8:30am-20cc

11:15am-20cc

2:00pm-20cc

Started Bottle Feeding-No more  
feeding with syringe- unless fussy.

4:4:10pm-20cc

6:00pm-22cc

7:30pm-15cc

9:30pm-20cc

1-16-07

12:00am-24cc

3:00am-18cc

5:30am-18cc

8:00am-20cc

10:35am-20cc

12:15pm -20cc (147 feedings)

2:25pm-20cc

4:30pm-20cc

6:30pm-20cc

8:30pm-25cc

10:35pm-26cc

1-17-07:

1:05am-25cc

2:40am8cc

4:40am20cc

6:40am-20cc  
8:40am-25cc  
10:40am-25cc  
12:40pm-25cc  
2:40pm-25cc  
4:40pm-25cc  
6:00pm-20cc  
8:00pm-25cc  
10:00pm-25cc  
1-18-07:  
12:00am-22cc  
2:00am-22cc  
4:10am-20cc  
7:00am-25cc  
9:00am-30cc  
11:20am-25cc (170 feeding)  
1:45pm-22cc  
3:50pm-22cc  
6:00pm-22cc  
8:20pm-25cc  
10:30pm-20cc  
1-19-07  
12:30am-25cc  
3:40am-25cc  
6:10am-25cc  
8:30am-25cc  
11:00-25cc  
1:30pm-30cc  
4:00pm-25cc  
6:30pm-20cc  
8:40pm-25cc  
10:40pm-25cc  
1-20-07:  
12:40am-25cc  
3:00am-25cc  
5:35am-25cc  
8:00am-25cc  
10:05am-25cc  
12:30pm-20cc  
3:00pm-25cc  
5:30pm-25cc  
8:00pm-25cc  
10:00pm-25cc  
1-25-07:  
12:30am-25cc  
2:35am-30cc

5:30am-25cc  
8:00am-25cc  
10:35am-25cc (200 Feedings)  
12:00pm-25cc  
1:45pm-30cc  
3:45pm-30cc  
5:45pm-30cc  
8:00pm-30cc  
11:00pm-20cc

1-22-07:

Cub growing, I added a 1tsp of apple sauce/fiber to formula feedings when necessary.

1:15am-30cc  
3:00am-30cc  
6:00am-30cc  
7:30am-10cc(RENURSE)  
10:15am-30cc  
12:45pm-25cc  
3:15pm-30cc  
5:30pm-25cc  
7:45pm-32cc  
10:00pm-30cc  
1-23-07  
12:35am-30cc  
4:00am-30cc  
6:30am-20c  
8:35am-30cc  
10:45-30cc (221 Feedings)