

From: [Mike Murray](#)
To: [Larry Hardham](#)
Bcc: [Michelle Baker](#)
Subject: Re: Reg. Neg.
Date: 12/09/2008 08:52 AM

Hi Larry,

It is okay with me if you bring your maps for discussion purposes, but please recognize that NPS cannot unconditionally "vouch" for the accuracy of your maps. We also do not currently have all the previous years of nest location data mapped in GIS, so we cannot provide a more accurate, comprehensive GIS map at the moment either.

Staff is working on some turtle information (including the incidents from past years, maps of 2008 nests, etc.) for me to share with the Natural Resources subcommittee. Hopefully, I will have the information and can distribute it by the end of the day today.

With regard to Table # 3 from the 2007 report, Michelle Baker explains: In Table 3., the "Average Clutch Size" was determined by averaging the egg totals from all known nests. This means that any nests that were washed out, had significant predation, and/or were unable to be found at 90 days are excluded from this sample. "Average Incubation Days" reflects the incubation times only for hatched nests. "Eggs" reflects the total eggs that were found during excavations (i.e. excludes nests that were washed out). "Emerged" indicates the total number of emerged hatchlings from all nests, but does not include live hatchlings found during excavations. Overall, this table presents information gathered from each year, but was not designed to show the process by which emergence success is determined. Emergence success for each year is shown in each respective annual report, and the success for each individual nest can be found in the appendices. The information in these reports are accurate to the best of our knowledge and those numbers shown in the 2007 report are the most accurate numbers that the Resource Management Division currently has. We know that there are some discrepancies with what we show vs. what NCWRC has, and we will be working to correct these discrepancies this coming winter.

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12/08/2008 09:24 AM

Subject Reg. Neg.

Mike

Several thoughts if you don't mind.

Do you have a total of the number of ORV and turtle incidents from the annual reports that you were listing at the last meeting?

At the November meeting you handed out a sheet that had Tables #3, #4 and #5 from the 2007 turtle annual report. When one looks at Table #3 and multiply the number of nests times the number of the "Avg. Clutch" you do not get the number of "Eggs" shown and thus when calculating the "EMR%" things are way off. Total number of eggs is off by 13,734 and the seven year "EMR%" would then be only 50% and not the 64% shown. BIG DIFFERENCE!!!

I would also request permission to bring my maps that show turtle activity at CHNS in past years to meeting this week.

Thanks

Larry