## Gutman, Lori

From:

Jeff Cobb@nps.gov

Sent:

Monday, March 14, 2005 6:13 PM

To:

Gutman, Lori

Cc:

Mary\_Doll@nps.gov; Jon\_Anglin@nps.gov; Steve\_Harrison@nps.gov; Melissa\_Behrent@partner.nps.gov; Sandra\_Hamilton@nps.gov; Jami\_Hammond@nps.gov;

Michael B Edwards@nps.gov

Subject:

Submerged Vehicles



## **ORV** Accident Stats

8x11 Landsc...

Lori: I've attached a slightly updated spreadsheet you first saw in the scoping meeting last November. It's based on a hand search of our case incident records back to April 11, 2000, or almost exactly five years' worth of records. It shows 14 submerged vehicles in 5 years. The number is probably higher than that. Causes for underreporting might be the vehicle was pulled from the surf before the rangers were informed, the surf pulled the vehicle to deep water before the rangers were informed, etc. In any case, according to the attached spreadsheet, we average almost 3 cars submerged per year. My guess is that water pollution (steel, plastic, petroleum products, etc.) from submerged vehicles is microscopic compared to other sources.

Thirteen of the 14 submerged vehicles were on Bodie Island. I don't think concentrating the 2.8 vehicles per year on Bodie Island concentrates the pollution sufficiently to raise it to a measurable impact. Why are they concentrated on Bodie Island? Again a guess. Bodie Island is the first beach that the vast majority of visitors come to. That's where the most inexperienced, inebriated, and ready-to-party beach drivers head for the ocean. The more serious fishermen and experienced beach drivers head further south to Hatteras and Ocracoke Islands.

(See attached file: ORV Accident Stats 8x11 Landscape.xls)

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Jeff Cobb Management Assistant Outer Banks Group

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# Cape Hatteras National Seashore ORV Accident Statistics, 2000 - 2005

Revised March 7, 2005

Legend -Report involved ORV but was not related to beach driving Incident resulted in submerged ORV. Submersion may or may not have been accident-related.

Report not located	٠.	٠.	1	٠,	٠.	۰.	٠.	٠,	_	0	Yes	12	V	٠,	CAHA0?00001122
Submerged	YA	Newport News	47	Z	Ford F150	No	No	No	0	0	No		1810	9/4/04	CAHA0400000089
	SA	5 ? VA	35	Z	Jeep Cherokee	No.	No	No	0	0	Yes		1430	7/7/04	CAHA0400000325
	X	Newport News	22	3	Jeep	No	No	No	_	2	Yes	Yes	0330	5/23/04	CAHA0400000147
Submerged	SC	٠,	28	Z	Nissan Xterra	No	No	No	0	0	No	No	1300	2/28/04	CAHA0400000089
Submerged	끈	Ocala	22	3	Ford F150	No	No	No	0	0	No	No	1900	2/13/04	CAHA0400000057
Submerged	VA	Orange	32	Z	Ford F350	No	No	No	0	0	No			12/1/03	CAHA0300000339
Submerged	NC	?	48	3	Chev S-10	No	No	No	0	0	No			10/28/03	CAHA0300000323
Submerged	\A	٠,	18	₹	Jeep Cherokee	No	No	No	0	0	No	Yes	1500	9/14/03	CAHA0300000308
Submerged	NC	.2	23	3	Jeep Cherokee	No	No	No	0	0	No	No	1810	9/1/03	CAHA0300000280
Submerged	YA.	Charlottesville	24	3	Jeep Wrangler	No	Yes	No	0	0	No	Yes	2120	8/30/03	CAHA0300000291
	S	Yorktown	20	Z	Jeep Wrangler	Yes	No	Yes	_	0	Yes		0545	8/30/03	CAHA0300000280
Submerged	\A	Hampton	16	≤	Ford Ranger	No	No	No	0	0	No	No	1844	8/22/03	CAHA0300000275
Submerged	MO	?	35	≤	Toyota SUV	No	No	No	0	0	No	No	1420	6/25/03	CAHA0300000150
Not ORV-related	2	7	37	2	Ford Contour	No	No	No	0	0	Yes	No	1830	7/7/03	CAHA0300000099
Submerged	\A	Moyock	2	П	Ford F150	No	No	No	0	0	No	No	1530	3/29/03	CAHA0300000025
Stolen - wrecked	٠.	~	٠,	ر.	Bronco	N <sub>O</sub>	ر.	No	٠,	ر.	Yes		1930	11/2/02	CAHA0200000254
Backing	NO.	Aulander	43	≤	Dodge PU	No	No	No	0	0	Yes	N <sub>o</sub>	1845	10/6/02	CAHA0200000249
Submerged-Speed	\A	Unknown	26	≤	Jeep	No	No	No	0	0	Yes		1630	4/28/02	CAHA0200000042
	\A	.?	٠.	Z	Toyota PU	No	No	No	0	0	Yes		0020	10/13/01	CAHA0100000441
DUI but not factor.	XA	Newport News	38	Z	Isuzu Trooper	Yes	No	No	0	0	Yes	,	1350	8/16/00	CAHA0000000277
	X	٠,	28	Z	Nissan PU	No	No	No	0	0	Yes	N <sub>o</sub>	1615	8/9/00	CAHA0000000273
Not ORV-related	గ్	Manteo	÷	Z	Grand Am	20	No	. No	0	0	No	No	0750	7/12/00	CAHA0000000219
	\A	Ararat	٠,٧	Z	Honda Accord	No	No	No	0	0	Yes	No	1245	7/1/00	CAHA0000000191
Submerged	오	Youngstown	22	Z	Jeep	No	No	No	0	0	No	No	2015	4/16/00	CAHA0000000052
															Bodie Island
	<u> </u>	Chevy Chase	14	-	Toyota SUV	N <sub>O</sub>	o o	Yes	0	0	Yes	Yes	1845	8/10/04	CAHA0400002092
	S	Hatteras	21	Z	Isuzu Trooper	Yes	Yes	No	2	0	Yes	Yes	0400	6/23/02	CAHA0200000013
	C	Okracoke	25	П	Chev PU	No	8 0	N <sub>O</sub>	0	0	Yes	Yes	2310	7/14/01	CAHA0100002043
	N C	Beaufort	20	≥	Jeep Wrangler	Yes	Yes	N <sub>O</sub>	0	_	Yes	Yes	0215	6/14/03	CAHA0300002060
													1		Okracoke
Comments	State	Residence	Age	Sex	Type <u>Vehicle</u>	Arrest:	_	Other Resource Alcohol		Fatality	Accident	Charge	Time	Date	Incident Number

Revised March 7, 2005

# DRAFT

11/7/04 1300 Yes Yes 0 0 No No No Toyota Tundra M 31 ? AL  Yes 0 0 No No No Toyota Tundra M 31 ? AL  Yes 0 0 No No No Toyota Tundra M 31 ? AL  Yes 0 0 No No No Jeep Cherokee M 26 Virginia Beach VA  11/2/02 2000 No Yes 0 0 No No No Jeep Cherokee M 26 ? NC  13/3/02 2000 No Yes 0 0 No No No Jeep Cherokee M 26 ? NC  15/5/02 1915 No Yes 0 0 No No No No Isuzu Trooper M 29 ? NO  16/30/02 2000 No Yes 0 0 No No No Toyota Tundra M 55 Frisco NC  16/30/03 1415 No Yes 0 0 No No Yes No Chev Blazer M <17 ? ?  16/2/03 0830 Yes Yes 0 0 No No Yes Toyota Tundra M 22 Winston Salem NC  2000-01 Night Yes Yes 1 0 Yes Yes Toyota Tundra M 22 Winston Salem NC  2000-01 Night Yes Yes 1 0 No Yes Yes Toyota Tundra M 2 Buxton NC  2000-01 Night Yes Yes 1 0 No Yes Yes Toyota Tundra M 2 Buxton NC  2000-01 Night Yes Yes 1 0 No Yes Yes Toyota Tundra M 2 Buxton NC  2000-01 Night Yes Yes 1 No Yes Yes Toyota Tundra M 2 Winston Salem NC  2000-01 Night Yes Yes 1 No Yes Yes Toyota Tundra M 2 Buxton NC  2000-01 Night Yes Yes 1 No Yes Yes Toyota Tundra M 2 Winston Salem NC  2000-01 Night Yes Yes 1 No Yes Yes Toyota Tundra M 2 Winston Salem NC  2000-01 Night Yes Yes 1 No Yes Yes Toyota Tundra M 2 Winston Salem NC	VA Submerged	XA	Nortolk	22	-	Jeep Cherokee	No	0	0	0	0	No	No	1910	3/6/05	Not Assigned
11/7/04 1300 Yes Yes 0 0 No No Toyota Tundra M 31 ? Al 11/7/04 1300 Yes Yes 0 0 No No No Toyota Tundra M 31 ? Al 11/7/04 1300 Yes Yes 0 0 No No No No Toyota Tundra M 31 ? Al 11/7/04 1300 Yes Yes 0 0 No No No No Jeep Cherokee M 26 Virginia Beach V/ No Suzu Trooper M 29 ? ? ? No	Submerge-Drown		. ?	ر. ا	3	SUV	8	٠.	N <sub>O</sub>	0	_	N <sub>O</sub>	N <sub>O</sub>	۰,	۰,	Not Located
11/7/04 1300 Yes Yes 0 0 No No No Toyota Tundra M 31 ? AL  Yes 0 0 No No No Toyota Tundra M 31 ? AL  Yes 0 0 No No No Toyota Tundra M 31 ? AL  Yes 0 0 No No No Jeep Cherokee M 26 Virginia Beach VA  11/7/02 2000 No Yes 0 0 No No No Jeep Cherokee M 26 ? NC  15/5/02 1915 No Yes 0 0 No No No No Isuzu Trooper M 29 ? ?  16/30/02 0200 No Yes 0 0 No No No No Toyota Tundra M 55 Frisco NC  16/30/03 1415 No Yes 0 0 No No No Dodge Intreput M 27 Dare County NC  16/2/03 0830 Yes Yes 0 0 No Yes Yes Toyota Tundra M 22 Winston Salem NC	Brain Damage	N.C.	Buxton	٠.	3	ATV	٠.	٠.	~	0	_	Yes	Yes	Night	2000-01	Not Located
11/7/04 1300 Yes Yes 0 0 No No No Toyota Tundra M 31 ? AL  Yes 0 0 No No No Toyota Tundra M 31 ? AL  Yes 0 0 No No No Toyota Tundra M 31 ? AL  Yes 0 0 No No No Toyota Tundra M 31 ? AL  Yes 0 0 No No No Jeep Cherokee M 26 Virginia Beach VA  1/12/02 2000 No Yes 0 0 No No No Jeep Cherokee M 26 ? ?  3/3/02 2000 No Yes 0 0 No No No Isuzu Trooper M 29 ? ?  3/3/02 2000 No Yes 0 1 No No No Toyota Tundra M 55 Frisco NC  5/5/02 1915 No Yes 0 0 No No No Toyota Tundra M 55 Frisco NC  6/30/02 0200 No Yes 0 0 No Yes No Chev Blazer M <17 ? ?  7/4/03 1415 No Yes 0 0 No No Dodge Intropud M 27 Dare County No			Winston Salem		3	Toyota Tundra	Yes	Yes	No	0	0	Yes	Yes	0830	6/2/03	CAHA0300000131
11/7/04 1300 Yes Yes 0 0 No No No Toyota Tundra M 31 ? AL  Yes 0 0 No No No Toyota Tundra M 31 ? AL  Yes 0 0 0  Yes 0 0  Yes 0 0  Yes 0 0 No No No Toyota Tundra M 31 ? AL  Yes 0 0 No No No No Toyota Tundra M 31 ? AL  Yes 0 0 No No No No Jeep Cherokee M 26 Virginia Beach VA  S/5/02 1915 No Yes 0 0 No No No No Isuzu Trooper M 29 ? ?  S/5/02 1915 No Yes 0 1 No No No Toyota Tundra M 55 Frisco NC  S/5/02 1915 No Yes 0 0 No Yes No Chev Blazer M <17 ? ?  No Ford F250 M 2 ?		NO	Dare County	27	3	Dodge Intrepid	No	No	No	0	0	Yes	No	1415	7/4/03	CAHA0300000152
11/7/04 1300 Yes Yes 0 0 No No No Toyota Tundra M 31 ? AL  Yes 0 0 0 No No Toyota Tundra M 31 ? AL  Yes 0 0 0  Yes 0 0  Yes 0 0  Yes 0 0 No No No Toyota Tundra M 31 ? AL  Yes 0 0 No No No Toyota Tundra M 31 ? AL  Yes 0 0 No No No Jeep Cherokee M 26 Virginia Beach VA  8/3/01 2130 No Yes 0 0 No No No Jeep Cherokee M 26 Virginia Beach VA  1/1/2/02 2000 No Yes 0 0 No No No Isuzu Trooper M 29 ? ?  5/5/02 1915 No Yes 0 1 No No No Toyota Tundra M 55 Frisco NC  7/5/02 1915 No Yes 0 0 No Yes No Chev Blazer M <17 ? ?	Not ORV-Related	1	7		E	Ford F250	No	72	No	7	0	Yes	No	1600	7/2/02	CAHA0200000130
11/7/04 1300 Yes Yes 0 0 No No No Toyota Tundra M 31 ? AL  Yes 0 0 No No No Toyota Tundra M 31 ? AL  Yes 0 0  Yes 0 0  Yes 0 0  Yes 0 0  No No No No Jeep Cherokee M 26 Virginia Beach VA  S/3/02 2000 No Yes 0 0 No No No No Jeep Cherokee M 26 ? NC  S/5/5/02 1915 No Yes 0 1 No No No No No Isuzu Trooper M 29 ?  S/5/5/02 1915 No Yes 0 1 No No No No Toyota Tundra M 55 Frisco NC	Driver Not IDed	٠.,	, 2	<17	Z	Chev Blazer	No	Yes	No	0	0	Yes	No	0200	6/30/02	CAHA0200000130
11/7/04 1300 Yes Yes 0 0 No No No Toyota Tundra M 31 ? AL  Yes 0 0 0 No No No Toyota Tundra M 31 ? AL  Yes 0 0  Yes 0 0  Yes 0 0  Yes 0 0  No N	Interdunal road	Z C	Frisco	55	3	Toyota Tundra	No	No	8	_	0	Yes	8	1915	5/5/02	CAHA0200000117.
11/7/04 1300 Yes Yes ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?		; ·<	. ~	29	3	Isuzu Trooper	N <sub>o</sub>	8	8	0	0	Yes	8	2000	3/3/02	CAHA0200000103
1 11/7/04 1300 Yes       Yes       ?		, Z	·~	26		Jeep Cherokee	N <sub>o</sub>	No	S	0	0	Yes	8	2000	1/12/02	CAHA0200000100
7 ? Yes ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?	-	<b>S S</b>	Virginia Beach	26	,-	Jeep Cherokee	No	8	No.	0	0	Yes	N <sub>O</sub>	2130	8/3/01	CAHA0100001315
11/7/04 1300 Yes Yes 0 0 No No No Toyota Tundra M 31 ? AL  Yes 0 0 Yes 0 0 Yes 0 0 Yes 0 0	TIT SING KUIT			} ~			Š	(m)	8	0	0	Yes	N <sub>O</sub>	0430	8/4/01	CAHA0100000131
9 7 9 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Tit and Bus	>	)	,	,	•	:	•	:	٠.,	.~	Yes			_	CAHA01000001290
9 ? ? Yes ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?	Incomplete Record									0	0	Yes				CAHA000000002052
? ? ? Yes ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?	Report Not Eucate										0	Yes			~	CAHA000000002039
; ? ? ? Yes ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?	Donort Not I posto									)	•	:				Hatteras Island
? ? ? Yes ? ? ? ? ? ? ? ? ? ?	Unsafe Operation	₽	٠.	<u> </u>	≥	Toyota Tundra	8	N <sub>O</sub>	N <sub>O</sub>	0	0	Yes	Yes	1300	11/7/04	CAHA0400000471
	Report not located	٠.	۰.	٠,	٠.	٠,	٠.	٠,	۰,	۰.	۰.	Yes	٠,	۰,	د.	CAHA0?00002186