

Falyn Owens

Extension Wildlife Biologist
Wildlife Interactions, Regulated Activities and Permits

WRC Responsibilities

- Conserve NC's wildlife and their habitats
- Provide opportunities for wildlife-associated recreation
- Provide safeguards for wildlife-related activities
 - Maintain healthy wildlife populations
 - · Keep people healthy & safe
 - · Long-term perspective



Regulated Activities & Permits Section (RAPS)

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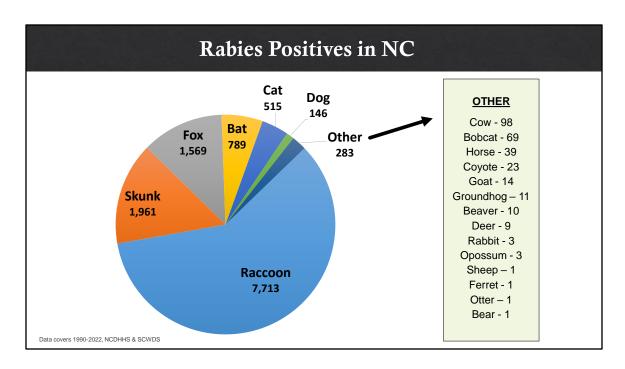
NCWRC is the state authority that manages activities related to wildlife - overarching goal is to protect humans and conserve native wildlife for future generations.

RAPS office covers wildlife rehabilitation. A new RAPS supervisor started in Feb. 2023 - Christina Stylianos. Couldn't make it to the conference today but she's happy to help if you have any questions.



As of 2020, only individuals with a license for rabies vector species may possess, rehabilitate, or release:

- Raccoons
- Bats (threatened & endangered species permit may be needed & issued on case-by-case basis) – 17 species
- Red and Grey Foxes
- Skunks
- Bobcats
- Coyotes cannot be rehabilitated in NC



32 years of data (1990-2022). State rabies records can be found at https://epi.dph.ncdhhs.gov/cd/rabies/figures.html#graphs, but this graph also includes a very small number of specimens sent directly to SCWDS (Southeastern Cooperative Wildlife Disease Study) by NCWRC staff. These data are compiled annually by the Black Bear and Furbearer Biologist, Colleen Olfenbuttel.

Why have special laws for RVS?

- Rabies is common in North Carolina, and 99.99% fatal
- You can't tell just by looking if an animal is harboring the virus
- Therefore...

We're **EXTRA** cautious because the consequences of rabies exposure can be very, **VERY bad**



NC Administrative Code

15A NCAC 10H .1400s

.1401 General Requirements

.1402 Captivity Licenses for Rehabilitation

.1403 Captivity Licenses for Holding

.1404 Minimum Standards for Holding

.1405 Revocation and Enforcement

.1406 Forms and Record-Keeping

15A NCAC 10B .0106

Wildlife taken for depredation

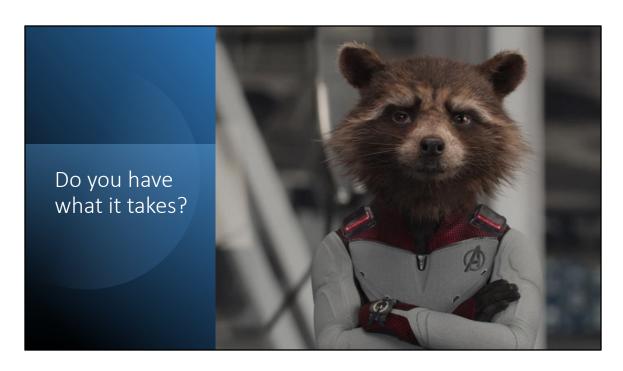
15A NCAC 10H 1402 CAPTIVITY LICENSE FOR REHABILITATION

(a) A captivity license for rehabilitation shall be required for lording passession of injured, cippted, or orphaned native vild animation or wild briefs for the purpose of providing host term care and eventual release into the animal's natural habitat. A captivity license for rehabilitation shall not be insued for:

(b) Analysis and the state of the separation of the

Where do these laws 'live?" In the NC Administrative Code – Title 15A, Chapter 10H. Rabies-specific rules are mostly (nut not all) in section .1402 (n).

Strongly recommend reading these laws directly (Google 15A NCAC 10H). Can always contact WRC RAPS administrator for help.



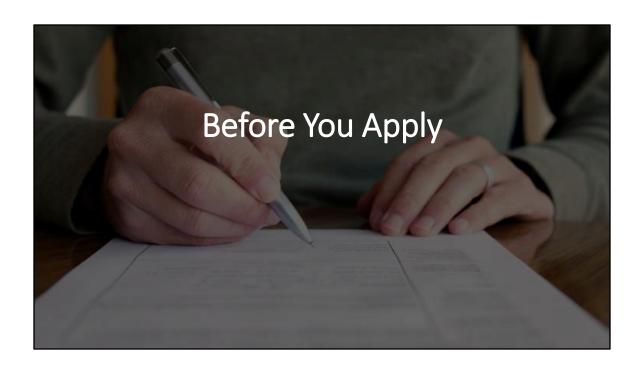
RVS rehab is not for the faint of heart



Minimum Requirements

- Must be an active, fully-licensed rehabber for at least the previous 3 years
 - Apprentice license doesn't count
 - Can be licensed in NC or another state
- Need 12 hours of rabies or RVS-specific training
 - Can be a combination of the two
- Must certify that you have an up-to-date rabies vaccination/titers
 - This applies to **any person** who may come in contact with the rabies species!

Responsibility for paying for vaccinations belongs to the rehabber.



You are going to need a veterinarian

- They must agree to treat RVS in your care
- Must provide their contact info on your application
- Their contact info must be posted at your facility



Notify Local Animal Control & County Health Department





Local Animal Control & Health Department

- Contact info for both must be posted at your facility
- Must coordinate with health dept. to develop a <u>written protocol</u> for euthanasia & testing RVS
 - This protocol must be posted at your facility

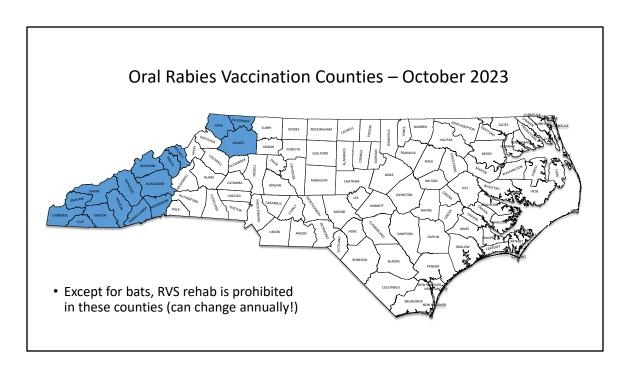
 Coordinate with appropriate local health department regarding euthanasia and testing of rabies species.



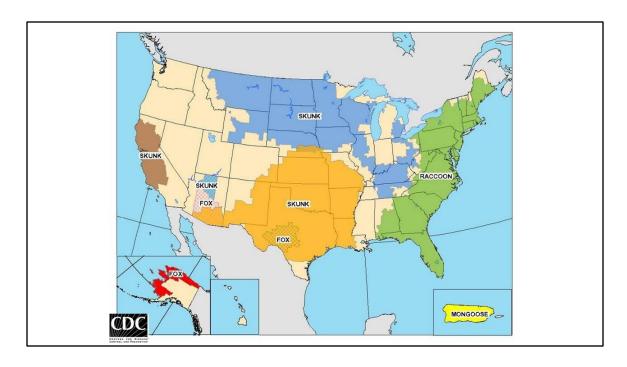
Make sure RSV rehabilitation is even an option in your area.

- <u>Except for bats</u>, rehabilitation and release of rabies species is not authorized in counties
 where the USDA-Animal and Plant Health Inspection Service Oral Rabies Vaccination (ORV)
 program is conducted.
- 2020: Ashe, Avery, Buncombe, Cherokee, Graham, Haywood, Jackson, Madison, Mitchell, Swain, Watauga, Yancey
- Oct. 2022: *Alleghany*, Ashe, Buncombe, Cherokee, *Clay*, Graham, Haywood, *Henderson*, Jackson, *Macon*, Madison, Mitchell, Swain, *Transylvania*, *Wilkes*, Yancey
- Oct. 2023: Alleghany, Ashe, Buncombe, Cherokee, Clay, Graham, Haywood, Henderson, Jackson, Macon, Madison, Mitchell, Swain, Transylvania, Wilkes, Yancey

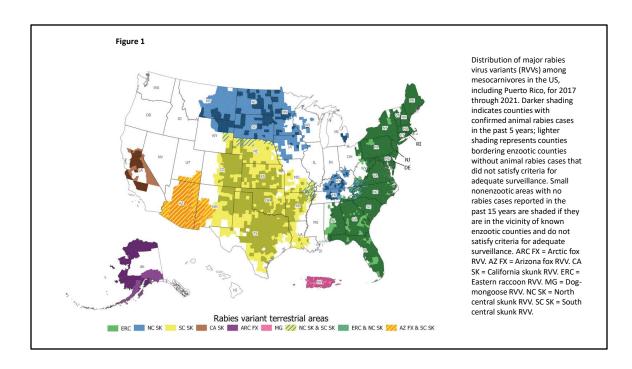
(https://www.ncdhhs.gov/news/press-releases/2022/09/28/annual-wildlife-oral-rabies-vaccination-program-begins-next-week-helps-protect-north-carolinians-and)



Participating counties in 2023. Subject to change each year!!!



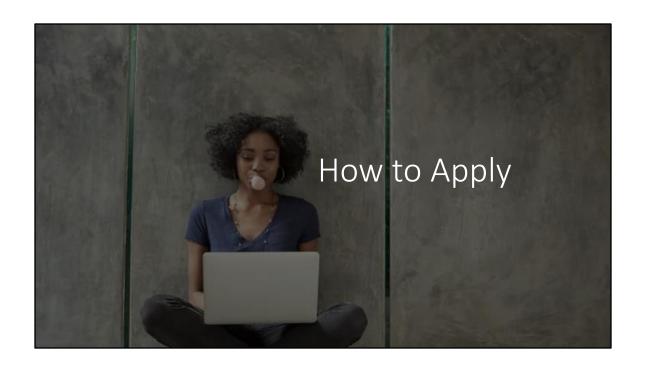
Rabies variant distribution in the U.S.

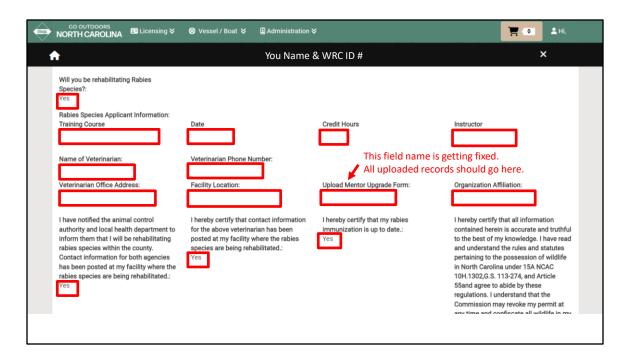


2021 Rabies Surveillance in the U.S. Map (AVMA website)



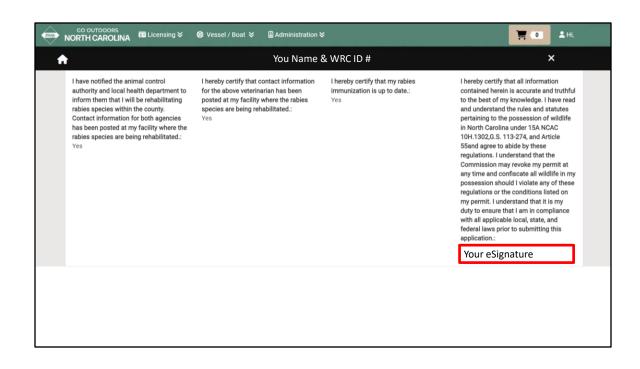
2012 ORV map





We do not require that you provide proof of recent rabies vaccine or titer check with your application, but it is required by law and you must be able to provide proof on request. Remember, this is about protecting human lives and potentially saving you a lot of money if/when there's an exposure.

Form provides an option to upload supporting documents.





Must Report:

- Your captivity license #
- Date of animal's acceptance
- Species & sex
- Location of origin (if known)
- Disposition
- Date of transfer to other licensed individual (if applicable)
- Date and location of release (if applicable)
- Your WRC customer ID#

Must now include your WRC# on this form (for finding you in Go Outdoors). This should be a fillable field on the form going forward.

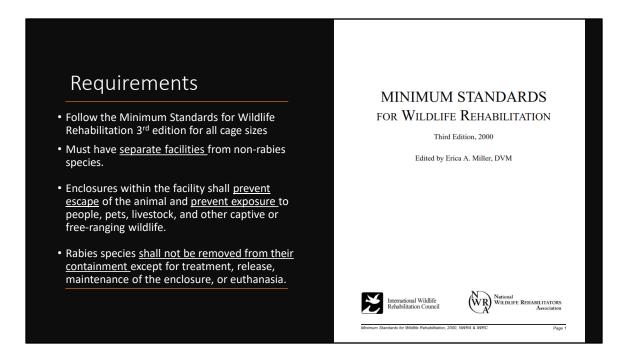
		Annual Ra	bies	Vector S	pecies Reh	abilitation Acti	vity Report		
Name:						_ Wildlife Rehabilita	ation License#		
Date Received	Species (be specific)	County of Origin	Sex	Estimated age ¹	Disposition ²	Transferred to Name/WR License	Date of Disposition	County of Release	Release Address Specific Location
3/29	Fox red	Halifox	3M	5-7(P) Weeks	an)	-	6.4.23	Nash	
4/3	Fox grey	Edgecomb	e	Huba duct		wspect dist.	(seizure	5) -	
4/6	Laccaou	Nash middlesex	M	200/t	euth -	11 1((seizures) —	
417	raccoon	Nash	М	adult	entu -	" or ne	uro HBC	seizures)	
217/30	raccoon	Halifax	М	Jyyenile	deceased		430123		
5/2	raccoon	Nash	M	adoH	released		5 21 23	NASH	_
5 5	Fox-grey	Nash	М	juven.	DOA		_		
5 10	Laccoous	Neph	F	5-7whs	released		7/30/23	Nash.	
6111	x 5	Nash	E	S-TWING	released	(And the same of t	7/20/23	Nash	
5/13	x3 raccoons	Wake	747	juven. 2-3whs	_		5/13/23	_	
5 31	groundhag	North	F	Juven .	deceased		6/6/a3	_	
6/6	groundhog	Hartford (morresbaro	M		deceased		6/7/23		
413	ground hag	Nash	M	odult	released		6 IBla3	Nash	
धीर	× Loccease	Edgerombe Wilson	MIN	4-5WKS	released		8124123	_	11

This form must be submitted annually, within 15 days of license expiration (Dec. 31) or prior to a request for reissuance.



Nor providing this report can be grounds to revoke your license or refusal to reissue.





Minimum Standards is available online for download as a PDF.

Minimum Housing Dimensions

Order/Family	Infant Care	Nursing/Pre- weaned	Juvenile or Adult Outside	Initial Injured Adult Inside
Chiroptera (Bats)	18"x12"x12"	18"x12"x12"		18"x12"x12"
Little Browns & Pipistrelles			6x8x8	
Evening, Red, Myotis			8x12x8	
Big Browns, Free-tails, Hoary			10x20x8	
Raccoons	10-20 Gal	3x3x3	6x8x6*	2x3x3
Skunk	20 Gal	2x4x3	6x8x6	3x3x3
Fox	30 Gal	3x3x3	4x4x8	3x3x3
Bobcat	10 Gal	3x3x3	8x8x6*	3x3x3

WxLxH, * Additional species-specific requirements From Minimum Standards for Wildlife Rehabilitation, 2000

Other requirements are specified in sections 5.1 & 5.2 of the Minimum Standards. "This table should be used only in conjunction with 5.1 & 5.2."





Doesn't matter how the enclosure prevents exposure, as long as it does (can't chain or tether the animal).

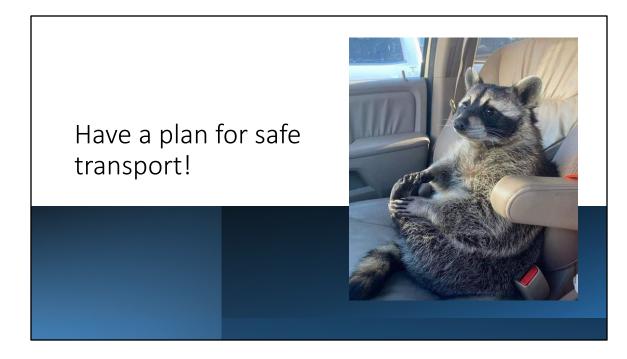


This is the kind of thinking that can save peoples' lives, and why that pre-exposure prophylaxis is so vital for you and your assistants.



"If any human or domestic animal has been scratched, bitten, or exposed to saliva, the fluid that surrounds the brain and spinal cord, or brain and spinal cord material from any rabies species, the license holder shall contact the local Health Department and immediately report the incident."

- Health dept may require euthanasia and testing
- Can't release or dispose of the animal until health dept gives OK
 - Also applies to RVS that die in captivity
- Rehabilitators <u>shall abide by all requests</u> made by authorized public health department personnel, animal control, or Commission personnel regarding disposition of the animal.
- "No rabies species that has scratched or bitten a human or domestic animal or dies in captivity can be released or disposed of until the local Health Department investigates the situation to determine if testing is necessary."
- Failure to do any of this can get your license revoked



Need to prevent exposures even outside your facility. The safety of the animal, you, and your assistants are your responsibility. Any exposures must be reported and the animal might have to be put down.



Releasing RVS • Must be released in county of origin or county where rehabbed • Cannot be released in Oral Rabies Vaccination (ORV) counties • ALWAYS preferable to release where animal was originally found • Relocation of RVS is prohibited in NC.

- Soft release/acclimation is allowed at the rehabilitator's facility but final release location really should be where the animal was originally found when at all possible. Especially with older animals, they don't do well when relocated.
- Often we don't understand the harm of moving wildlife around (especially regarding new diseases, new problems) until extensive harm has already been done. Err on the side of not moving wildlife (and whatever they may be carrying) to other areas whenever possible.



Responsibilities of an RSV Rehabilitator

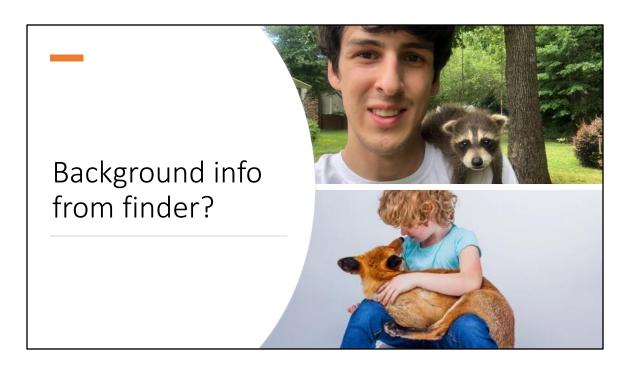
- Can go more strict than the law, but not more lax
- Sometimes the right thing to do isn't necessarily a legal requirement
 - vax for all volunteers
 - release of animals where they were initially captured

The safeguards enforced by the NCWRC are the bare minimum of standards. You can always do more and better than the bare minimum.



Limit crowding to prevent spread of diseases

Recently dealt with a situation where distemper spread through a RVS rehab facility and it wiped out most of the animals. Consider separating animals beyond just different enclosures for different species to prevent the spread of contagious disease (obviously not appropriate for littermates).



This may turn a rehab situation into a human health one if there has been an exposure. Getting this info from the finder could save someone's life. Example: baby raccoon passed around by entire family reunion group. The raccoon later tested positive for rabies and everyone had to get post-exposure prophylaxis shots.



Wildlife Taken for Depredation

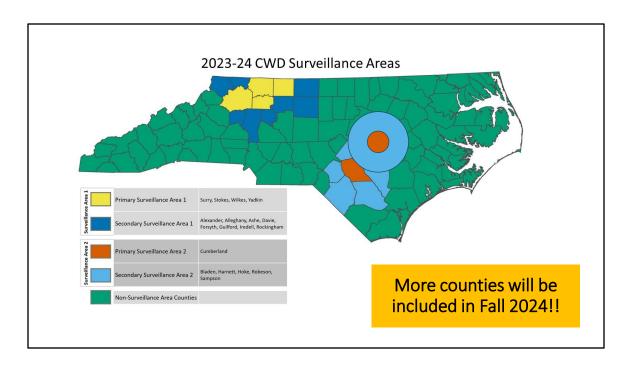
- Wildlife captured under a <u>depredation permit</u> are not eligible for transfer to a rehabilitator (15A NCAC 10B .0106).
- Depredation permits only allow:
 - Euthanasia
 - Release on site
 - Relocation (not allowed for RVS)



Best option in this situation (photo) is to get the raccoon to relocate her young, then exclude her from the building. Once depredation permit is issued, rehab is not an option.

CWD and Fawn Rehabilitation

- CWD is easily transmitted and 100% fatal
- Infectious prions "survive" in soil for decades
- Fawn rehab is prohibited in CWD counties



North Carolina only found CWD for the first time in 2022 and is still conducting massive surveillance to learn where the disease has spread. As we find it in new counties, they will be added to the CWD surveillance areas. So far, new counties have been added every year. Up to date info can be found at www.ncwildlife.org/CWD.

Weasels Please!

- Very hard to monitor
- Multi-state survey efforts with cameras and detection dogs
- Needed samples:
 - Scat training detection dogs
 - Carcasses genetic samples & testing for disease and toxins

CONTACT:

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