

Feral Hog Biology, Damage & Control

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Feral Hog

- Feral escaped domestic species surviving in wild
- Family Suidae
- □ Sus scrofa
- Includes Eurasian (Russian) boar, feral swine and hybrids
- Non-native
 - European/Asian species



History (U.S.)

- 1539 Hernando de Soto brought pigs to Atlantic Coast of Florida
- 1890 Austin Corbin brought Russian boars into New Hampshire

History (Texas)

- Late 1600s 1700s Spanish missionaries brought in pigs.
- 1830s Colonists abandoned homes during war with Mexico.
- □ 1920s 1930s Depression forced farmers to leave their land for jobs in cities.

History (Wild boar in TX)

- 1930s –
 Released/escaped in Aransas Co.
- 1939 Released in Calhoun Co.
- 1940 Bexar Co.
 released on ranch
 and floods destroyed
 fences.



Size

- Smaller and leaner than domestics
- Males
 - Average 180 lbs
 - Can be up to 400 lbs plus
- Females
 - Average 150 lbs



Biology

□ No eye shine





Biology (cont.)

□ Have 4 continually growing incisors (tusks)





Biology (cont.)

- Boars have shield on shoulder that is made of thickened skin and tissue.
 - Serves as protection



Life Span

- Typically between 4 and 8 years
- Depends on hunting pressure mainly
- No natural predators









Biology

- Generalist
 Omnivores switch
 diet as food
 availability changes.
- Lack sweat glands wallow, more active nocturnally





Competition

 Compete with native wildlife and livestock for available resources



Behavior

Diurnal in cool months

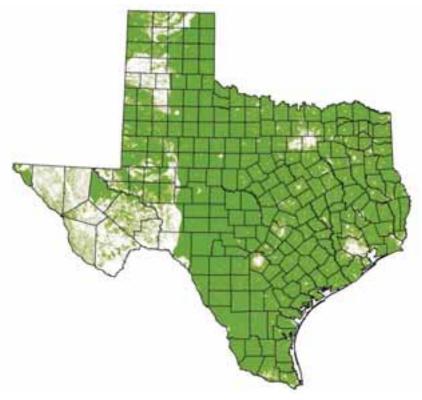
Crepuscular to nocturnal in warm months



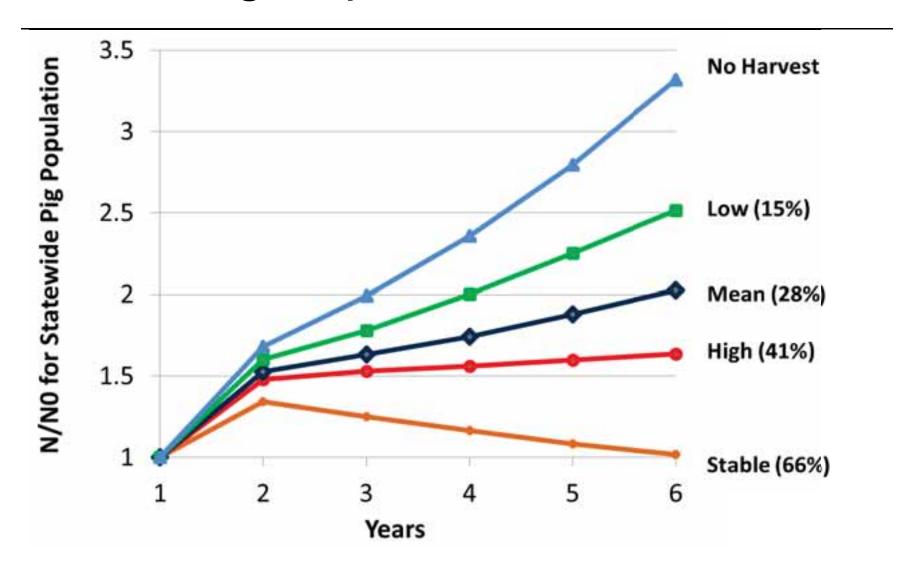
Feral Hog Numbers

- 79% of the state is suitable habitiat, total 134 million acres
- Density is 1.33-2.45 hogs/square mile
- Estimated at 2.6 million in Texas.

Source: Lopez and Higginbotham 2011



Feral Hog Population Harvest Model



Reproduction

- □ Avg. 1-2 litters/yr
- □ Avg. 4-6 young/litter



Social Structure

- Females and younger animals are in groups called sounders
- Older boars typically solitary



Tracks



Scat





Damage





Wallows





Rubs





Fences





Control Options



Trapping

Trap location should be where trails converge and be upwind of travel route.



Trapping

- Always pre-bait
- Bait types:
 - Soured corn
 - Strawberry gelatin mix
 - Livestock cubes
 - Carrion
 - Many others



Trapping

■ Box trap

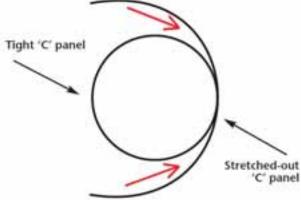


Corral Trap Designs









Trapping - Gates









Gate Modifications





Gate Modifications



Traditional Hunting



Dog Hunting



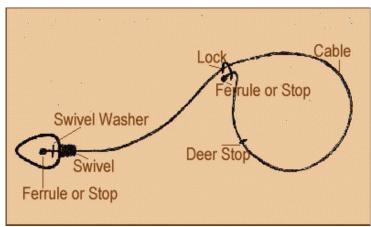
Aerial Gunning



Snaring

- □ 1/8 or 3/32 inch cable
- 42 inches long or longer
- locks made with angle iron or heavy duty washers
- Caution Snares will also catch non-target species





Exclusion Fencing



Plum Creek Accomplishments



Contacts

- □ 39 presentations
 - □ 4,652 attendees
- □ 69 site visits
- □ 4,922 contacts

□ 3,350 contact hours



Feral Hog Management Workshops

- Since 2007: 1204 registered attendees
- Covered feral hog biology, behavior, laws, regulations, and management strategies



Reporting Website

- 329 reported by landowners
- 372 aerial control 2010
- Total 718 removed from watershed



Media

- 15 with AgriLifeCommunications
- 2 with TSSWCB
- 2 Texas Farm Bureau radio interviews

New feral hog publication strives to set the record straight on accurate numbers

Figures show feral hog harvest numbers lag behind population growth Writer: Steve Byrns, 325-653-4576, s-byrns@tamu.edu

Contact: Jarod Timmons, 254-485-4886, jbtimmons@ag.tamu.edu

COLLEGE STATION – Hardly a day goes by that the feral hog invasion doesn't draw media mention, but the math associated with many of the reports has been mostly speculative – until now, said a Texas A&M AgriLife Extension Service expert.

Jared Timmons, AgriLife Extension Plum Creek Watershed Feral Hog Education Program assistant in San Marcos, said the new publication Feral Hog Population Growth, Density and Harvest in Texas (SP-472), has solid numbers backed by research to substantiate many of the claims made by those following the feral hog invasion. The publication available for \$1 per copy joins more than a dozen other feral hog-related publications available at http://agrilifebookstore.org.

"it's pretty well accepted that feral hogs cause at least \$52 million in agricultural losses each year in Texas,"

Timmons said. "But what's poorly understood are the pests' population dynamics; their survival, reproduction and density for example. The work represented in this publication literally puts facts to figures when it comes to this invasive species that exhibits the highest reproductive capability of any hoofed animal. That trait alone makes population reduction difficult."

The publication reports the number of feral hogs in the state as between 1 million and 4 million. These estimates are not

based on scientific fact, though increased reports of damage suggest the statewide population is growing and expanding in range.

By examining a number of scientific studies throughout the southeastern U.S. and Texas, the publication authors were able to create a statewide mathematical model of feral hog populations



A new publication, "Feral Hog Population Growth, Density and Harvest in Texas (SP-472)" puts facts behind figures. (Texas A&M AgriLife Extension Service photo)

Blogs

Over 31 blogs

MONDAY, NOVEMBER 14, 2611

Excluding Feral Hogs from Wildlife Feeders

Feral hear create many problems for land managers, one of which is consuming supplemental feed intended for wildlife. To restrict feral hogs from feeders enclusion fences can be constructed that still allow wildlife access to feed. This article titled "Excluding Feral Hogs from Wildlife Feeding Stations" created by several of my colleagues and me presents research conducted on exclusion fences by the United States Department of Agriculture and Texas AgriLife Extension Service. Conclusions on fence heights and efficiency are provided, as well as instructions for constructing a feral hog exclusion fence around a wildlife feeder. This article can be viewed below or at the Texas AgriLife Bookstone website.

Using Fences to Exclude Feral Hogs from Wildlife Feeding Stations.

Posted by Jared Timmons, Emension Assistant at 10:00 /W/

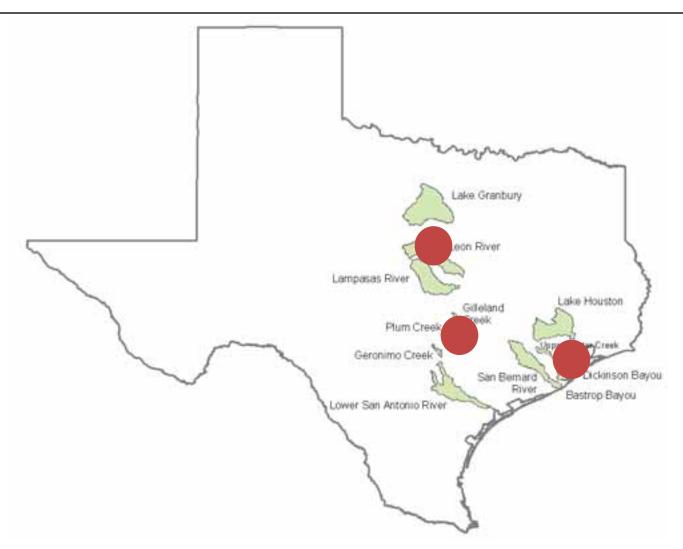


YouTube

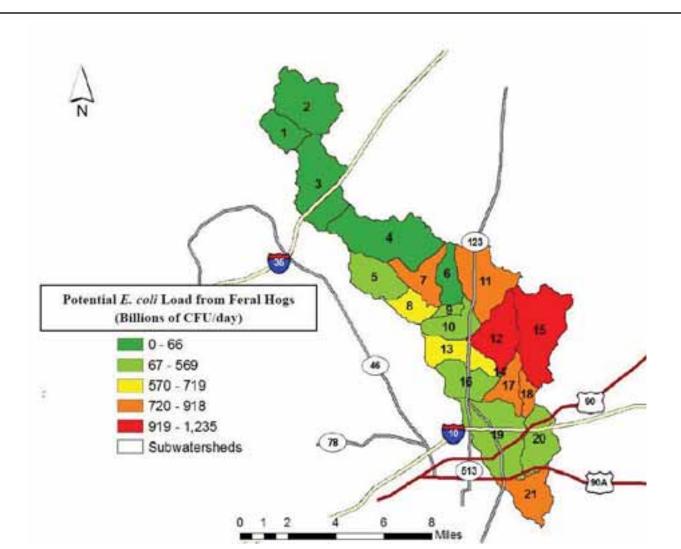
□ 10 videos viewed over 156,000 times



Future Feral Hog Education Program



Hogs and Bacteria

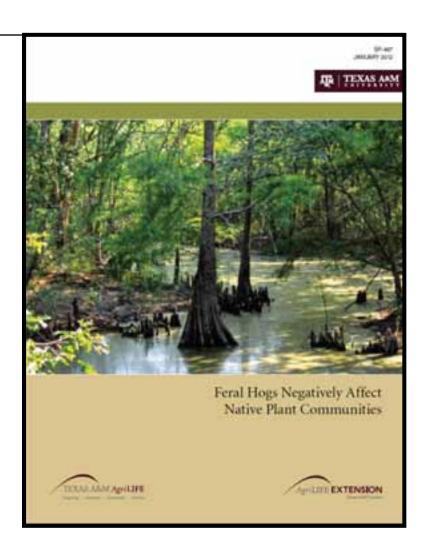


Scope of Work

- 2 new extension publications
- 2 new extension web-videos on YouTube
- Landowner site visits
- □ 6 4 hour workshops annually
- □ 6 1 hour workshops annually

Fact Sheets

- http://pcwp.tamu.edu/FeralHogs/
- 15 available
- 7 available in Spanish
- Over 10,000 handed out
- Over 30,000 downloaded from:
 - Scribd
 - AgriLife bookstore
 - Plum Creek Website



Feral Hogs Community of Practice

- http://www.extension.org/feral_hogs
- National collaboration between professionals
- Articles, FAQs, Ask an Expert
- Webinars





Available resources

- http://pcwp.tamu.edu/FeralHogs/
- **Publication links**
- Landowner and general public reports
- Internet presentations with voiceovers
- Site visits for landowners
- YouTube videos http://www.youtube.com/user/wfscextension



Final logs are apportunits recovers, surning they est returney plont and missel matter is available. Eggs of ground sexing both like sorthers behicker and wild tarket are on their more.

Northern Bolomits

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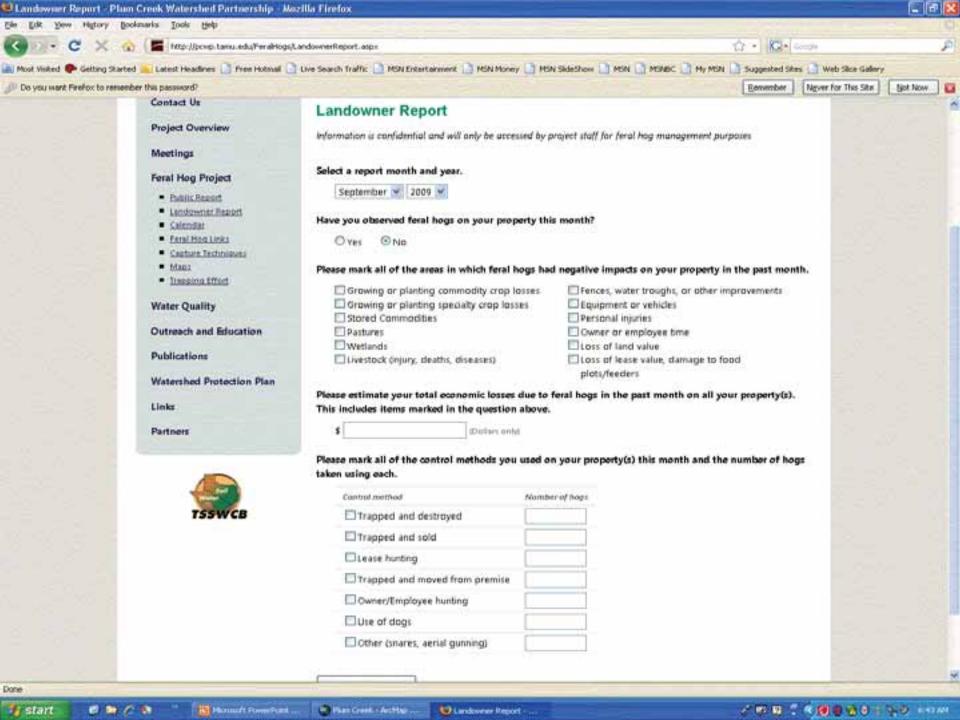


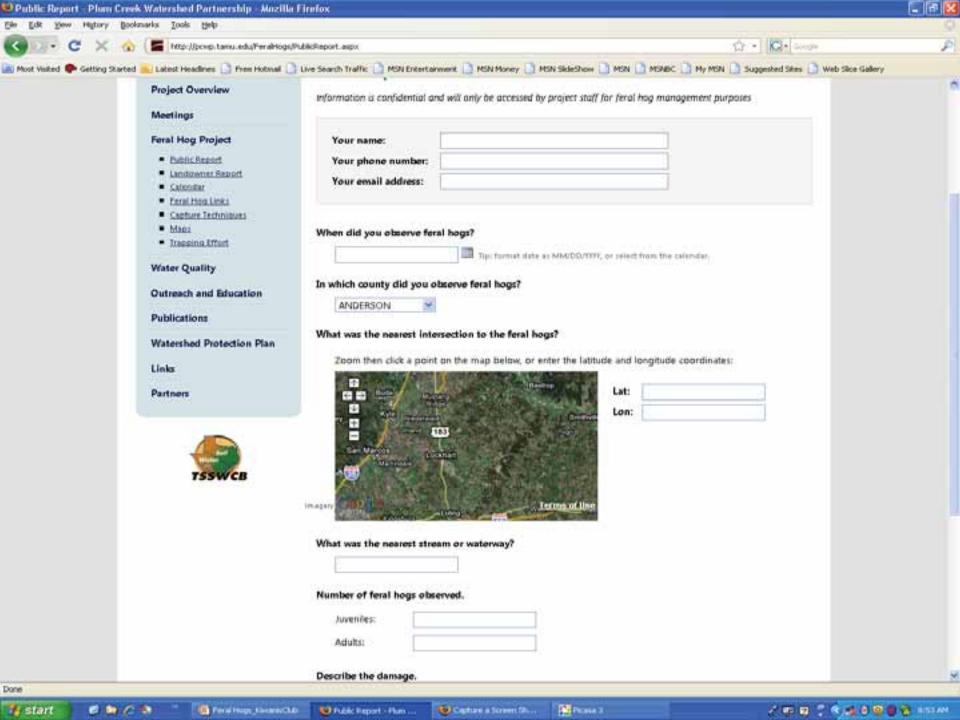
authorizes in the Plan Cresk Watershell of During traits combined in 1991 and 1964. Littlers. Califordi, and Travia commer are some found \$1.0% of unsidated nexts were consumed by of the damage that first large can come to coope and. Heat large on a couch in Found County, and 11, 1% of partners. Many also realize that final logs compere considered nexts (Figure 2) were dependant by logs with matrix wildfull for fixed contrary. Typically, little on a mach as Shackleford County. This suggests longs are not thought of as predators, but they fill that that first long sent predators is a contributing Devor to the northern belowhere population decline. These experiments were combatted soutly twenty years ago. and Smilling populations have increased sofutia report fluit fluor.

Wild Turkey

There independent of reliable turkey are firmed to Tenue The next commit and wide-longing is the fire counce and restocking effects are induces; or wastern Texas to or-equition their population. Small populations of the Mirespac's wild tackey are found 16 venters Texas. For Rio Grande and easters with tuckey, researchers have decoupped any predator by first beet (Famor II)







Project Funding

 Provided through a Clean Water Act 319(h) nonpoint source grant from the Texas State Soil and Water Conservation Board and the U.S. Environmental Protection Agency





Questions?



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