

Invasive Species Program



Nutria (Myocastor coypus)





- Large, semi-aquatic rodent
 - Fresh and brackish waters

Native to South America

Introduced for fur trade

Declared eradicated in 1970s

Identification





Identifying Nutria (Myocastor coypus)

Nutria

havasive

Beaver



Whiskers/ head



and Jayer Gross



Phonos courtway of Alaska DPC and Chery Remoiss

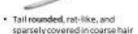


· Black whiskers

+ Fine, black whiskers · Muzzle may be white-

· Conspicuous white whiskers · Muzzle often white





. Tail still while swimming; body propelled by feet



+ Tail broad and flat.

- . Tail flattened top-to-bottom
- · Slap water with tall when disturbed



SThoughthra

courtesy of USFWS

country



and Mittle Ass Lomes

. Tail used for swimming with rapid side-to-side serpentine motion

Body

Tail



- . Adult size: 10-20 pounds; body length to 2 feet, with 1 foottail
- · Juvervilles similar in size to muskrats
- . Hunched appearance on land



Photo

courtray of

Peggy A.

- + Adult size averages 40 pounds
- . Length to over 3 feet, including tail



+ Adult size: 2-5 pounds; body length up to 1 foot

Hind feet



· Partially webbed; one free toe



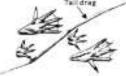
· Fully webbed



Photo squirtery of USPWS

· Na webbling

Tracks



- . 5 front toes; 4 visible in tracks
- · Rear track to 6 inches in length
- · Narrow tall drag may accompany



ONIO DWR division of

Photo sourtery of



- . Rear track to 6 inches in length
- Tracks may be accompanied by a broad tall drag

· Rear track is 2-3 inches in length

If nutria are found in CA, immediately contact the CDFW Invasive Species Program to report your sighting at Invasives@wildlife.ca.gov or by calling (866) 440-9530

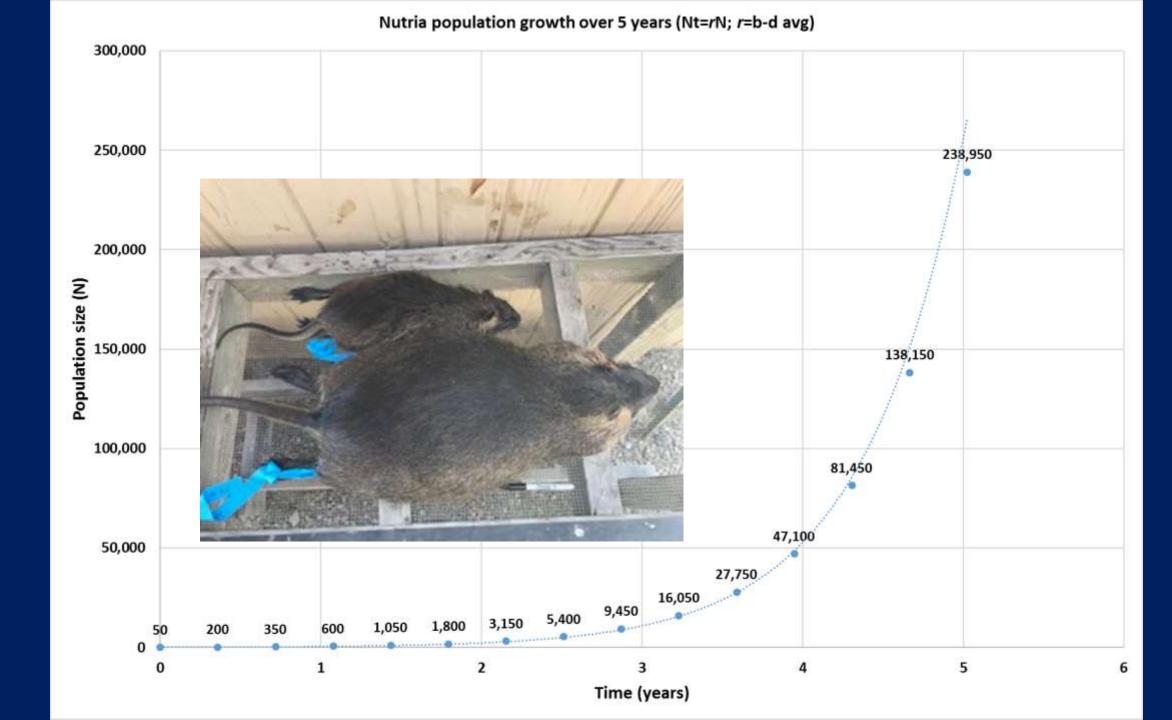
Biology/Ecology



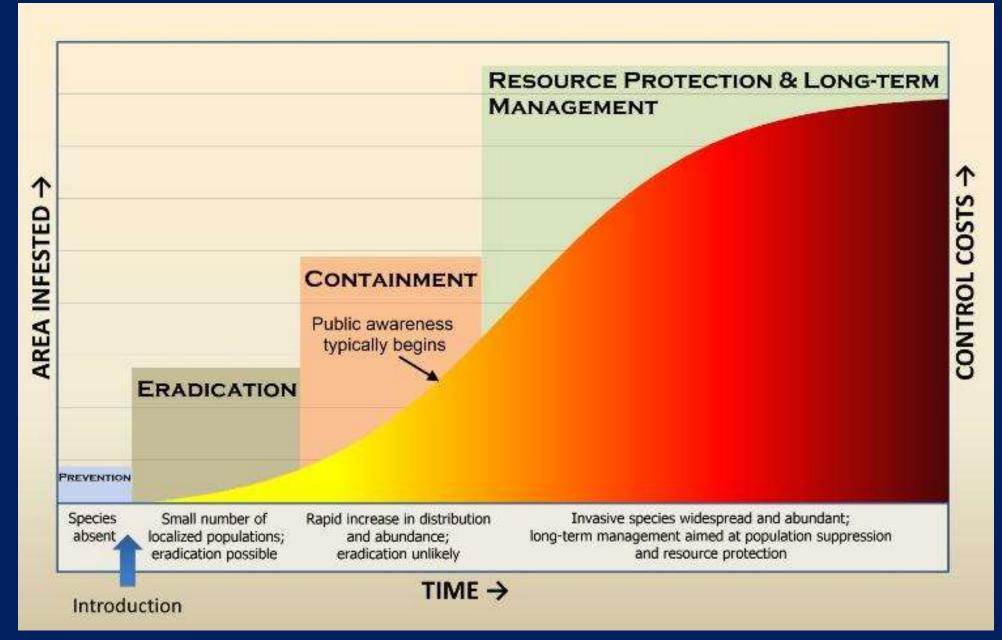


- Reproductive by 4-6 months
 - ≤ 3 litters/13 months

- Live in social groups
 - Dispersal ≤ 50 mi
- Avg. home range size < 25 acres
 - Movement 2 miles from den



Response in California



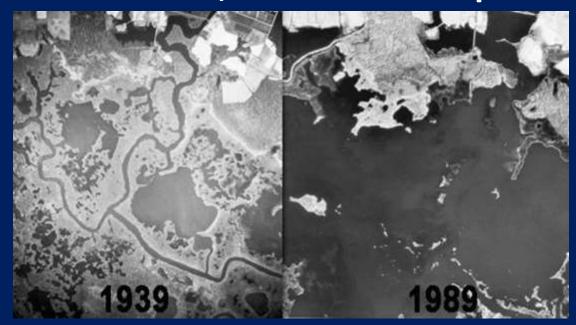
Impacts



Consume ≤ 25% of their weight each day

- Prefer basal portion of emergent vegetation
 - Destroy up to 10x the amount consumed

Severe erosion, conversion to open water





Impacts

- Burrowing damages infrastructure and levees
 - 3-18' deep, may extend ≤ 150' into bank

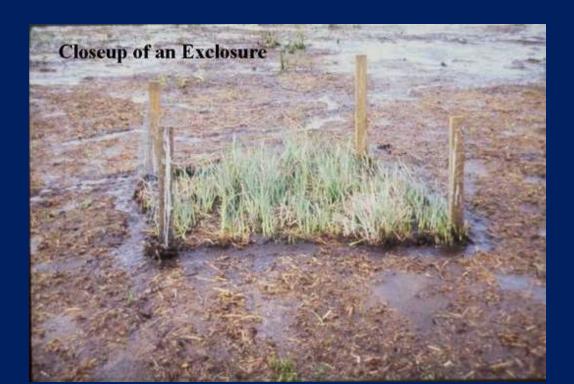




Impacts - Louisiana

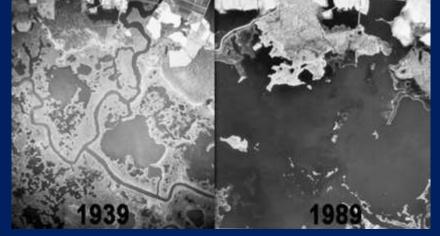
- Coastwide Nutria Control Program
 - Incentives \$5/tail, 250 350 trappers
 - Since 2002, 5 M harvested (\$24 M)
 - Estimated > 100K coastal acres damaged





Impacts – Chesapeake Bay

- Chesapeake Bay Nutria Eradication Project (CBNEP)
 - Led by USDA-Wildlife Services and USFWS
 - \$15.8 M over 15 years
 - Over 14K nutria removed







Population Control

Native range



Louisiana

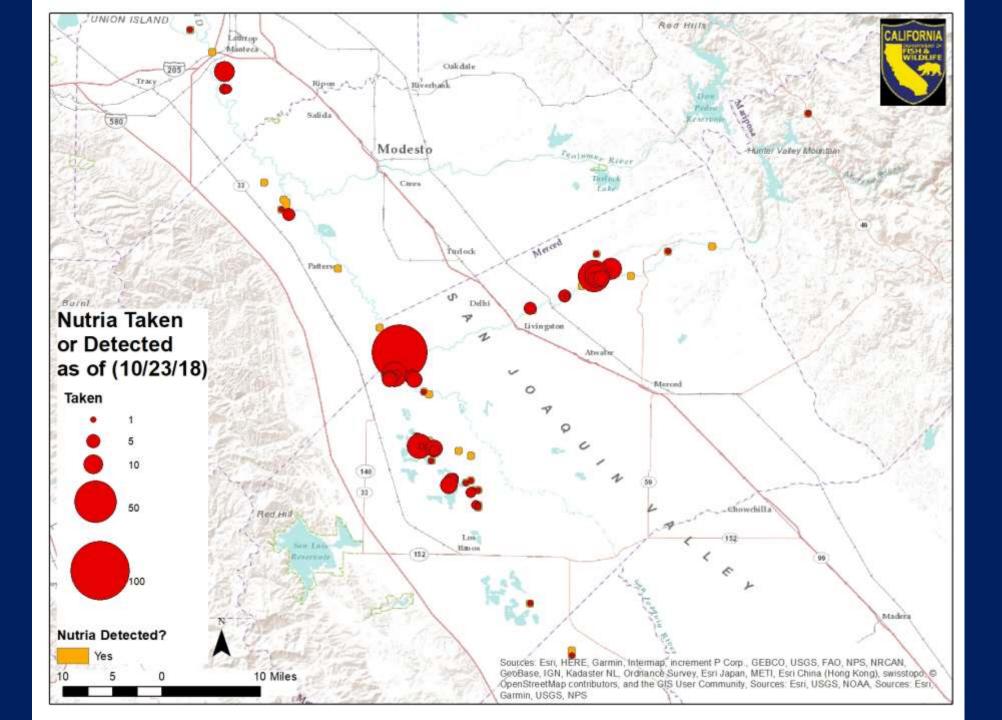


Chesapeake Bay









Response in California

- CDFW survey/trapping teams
 - San Joaquin Valley (3)
 - Delta (2)

- Wildlife Service trappers (3)
 - Pursuing contract expansion

- CDFA survey teams (3- N Delta)
 - Training in Merced County





CBNEP Eradication Strategy

5-phase strategy:

- Survey
 - Classifying habitat suitability
 - Confirmed/potential sign
 - Cameras/monitoring platforms
- Knock-down
- Mop-up
- Verification
- Surveillance





Response in California

- Gaps in property access
- Long-term funding
- Grants
 - Wildlife Conservation Board
 - State Wildlife Grant (USFWS)
 - SSJ Delta Conservancy Prop 1 grants
- Next steps:
 - Judas nutria/telemetry
 - Detection dogs





Questions?

Report sightings to:

(866) 440-9530 OR

invasives@wildlife.ca.gov

Additional information:

www.wildlife.ca.gov/nutria

Valerie.Cook-Fletcher@wildlife.ca.gov



A-RATED AGRICULTURAL PEST • DESTROYS WETLANDS WEAKENS WATER INFRASTRUCTURE



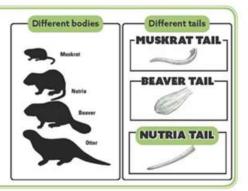
HOW LANDOWNERS CAN HELP

Private landowners can join the fight to protect California's agricultural economy, water resources and precious wetlands. In fact, landowner cooperation is critical to the success of CDFW's nutria eradication efforts. Landowners can obtain free assistance protecting their property from this destructive rodent by granting CDFW permission to access their property. For more information, call (866) 440-9530 or e-mail invasives@wildlife.ca.gov.

A CASE OF MISTAKEN IDENTITY

Often confused with beaver and muskrat, nutria have the following distinguishing characteristics:

- · White whiskers
- Round, rat-like tail
- · Dark black ears with lighter-colored fur below
- · Large blocky head, often with orange teeth
- · Body length up to 24 inches
- · Weighs up to 22 pounds
- · Partially webbed hind feet



Report nutria sightings, request free CDFW assistance at (866) 440-9530 or invasives@wildlife.ca.gov. Visit wildlife.ca.gov/nutria for more information.



















