



漁農自然護理署

Agriculture, Fisheries and
Conservation Department

Southern District Council

Community Affairs and Tourism Development Committee

A Pilot Study on the Contraception and Relocation of Wild Pigs

November 2018

Wetland and Fauna Conservation Division

Agriculture, Fisheries and Conservation Department

Wild Pigs in Hong Kong

Largest native terrestrial mammals in HK. Adults weighing **30-150 kg** and measuring **1.0 -1.6 m** in length

Excellent swimmers and have extensive movement range



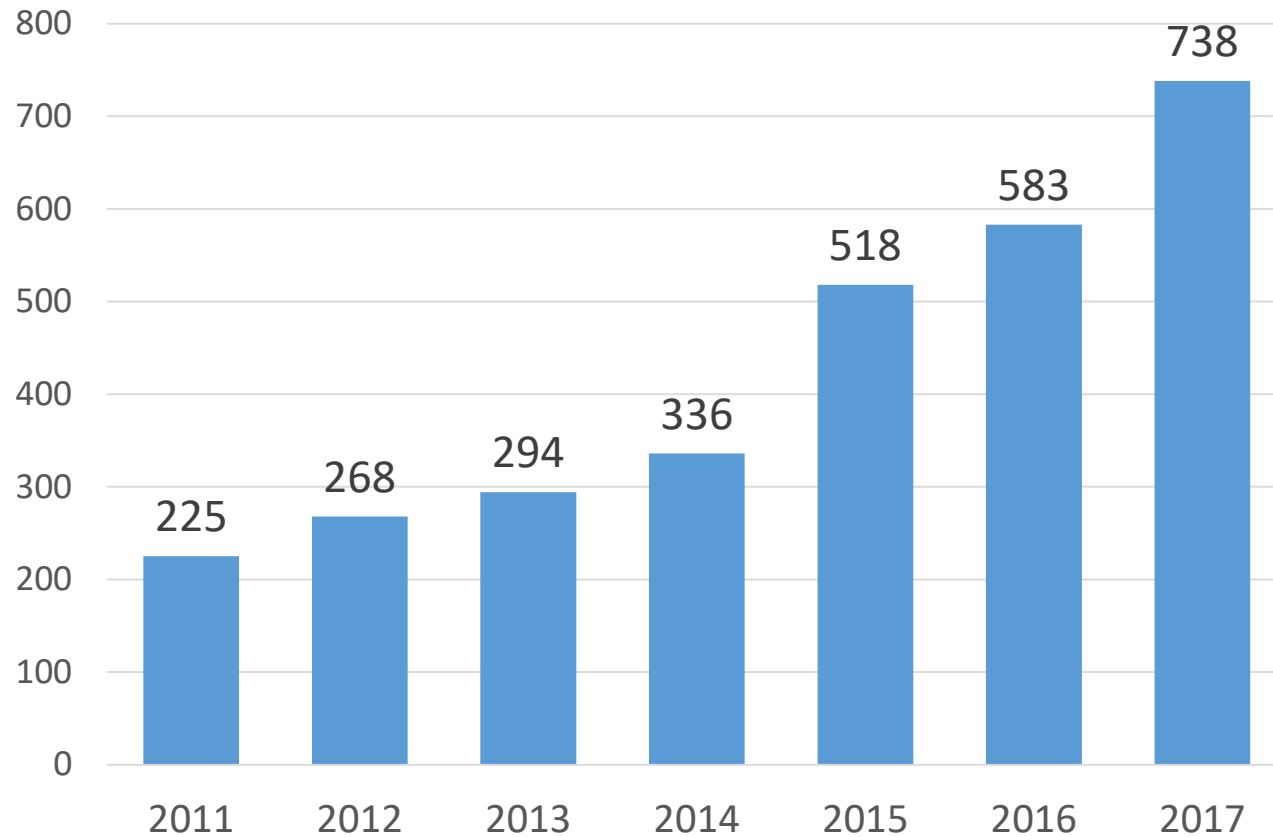
Wild pigs are NOT abandoned domestic pigs

Opportunistic omnivores, accepting both natural and human food

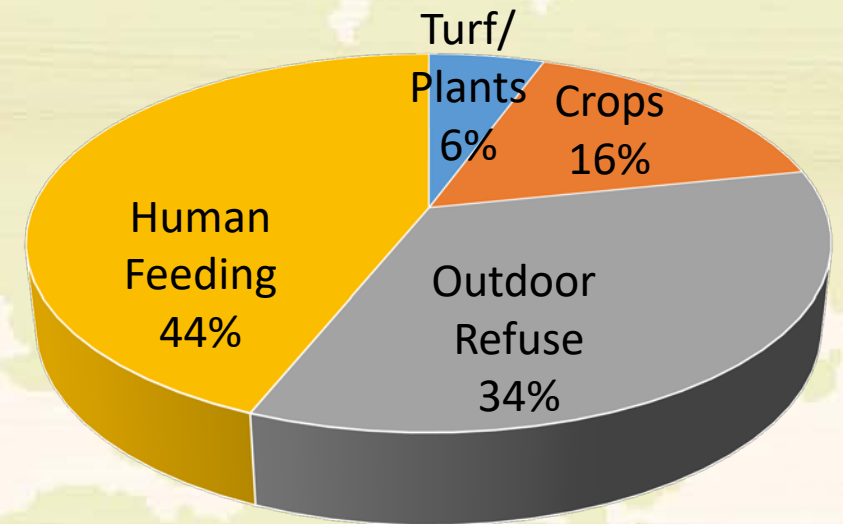
Highest reproductive rate among wild ungulates, populations can increase by **500 %** in **12-15** months

The Trend of Wild Pig Reports from 2011 to 2017

Number of Wild Pig Reports
(sighting/rescue/nuisance)



Food Attraction in Nuisance Cases



Previous Strategies for managing wild pig nuisance

Hunting by two Civilian Hunting Teams

- Hunting is adopted worldwide
- Suspended since 2017 until completion of the review

1) Safety Consideration

- Interfered by individual organizations
- Difficulty to arrange hunting operation safely
- Difficulty to arrange operation at residential or public area

2) Efficiency Consideration

- On average, less than one pig was hunted in an operation
- The stunning effect is questionable

Year	Complaint cases	No. of Hunting Operation	No. of Wild pigs hunted
2012	268	101	44
2013	294	94	55
2014	336	24	18
2015	518	50	44
2016	583	61	45
2017	738	Suspended	0

The Pilot Study on Contraception and Relocation of Wild Pigs

Target : wild pigs habituated to search for food in urban areas

Main strategies : 1) Contraception
2) Reloaction



Capture

- Take 2-4 weeks for target pigs to get used to our staff and the setting
- Sedative Response Time: 10-15 minutes
- Many constraints while selecting operation locations



Contraceptive Vaccine

GonaCon™

- Contraceptive vaccine
- Effective for 4-6 years with a single shot in captivity
- Hong Kong and Spain are the first two places to have field trial on GonaCon in the world
- Preliminary evaluation in late 2019
- First trial was conducted at Ma Hang and Stanley in October 2017.



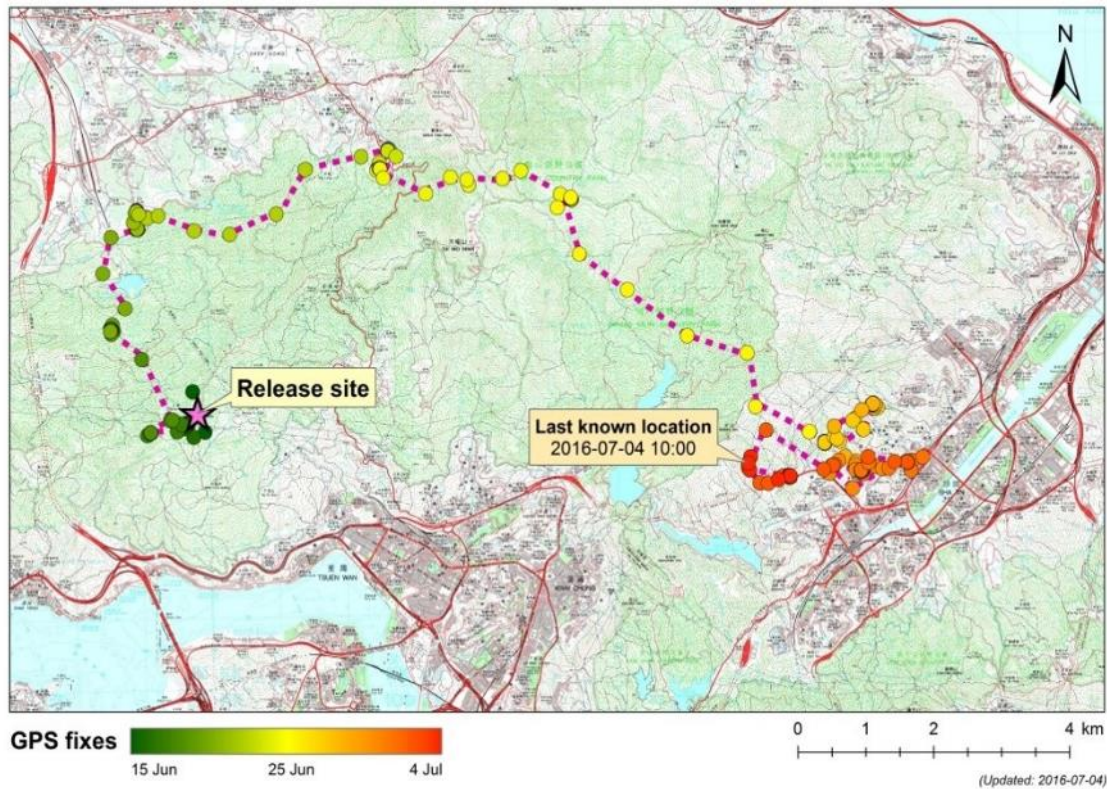
Sterilization Surgery

- Permanent
- Technical problems to be solved



Relocation

Post-release monitoring



- Relocated to remote countryside
- GPS Tracking
- Tendency for relocated wild pigs to return to capture site or built up area near the release site



Summary of the Study in Southern District (October 2017 to September 2018)

No. of wild pigs captured	No. of wild pigs administered GonCon	No. of wild pigs received surgery	No. of wild pigs relocated
71 (101)	17 (33)	4 (6)	53 (72)

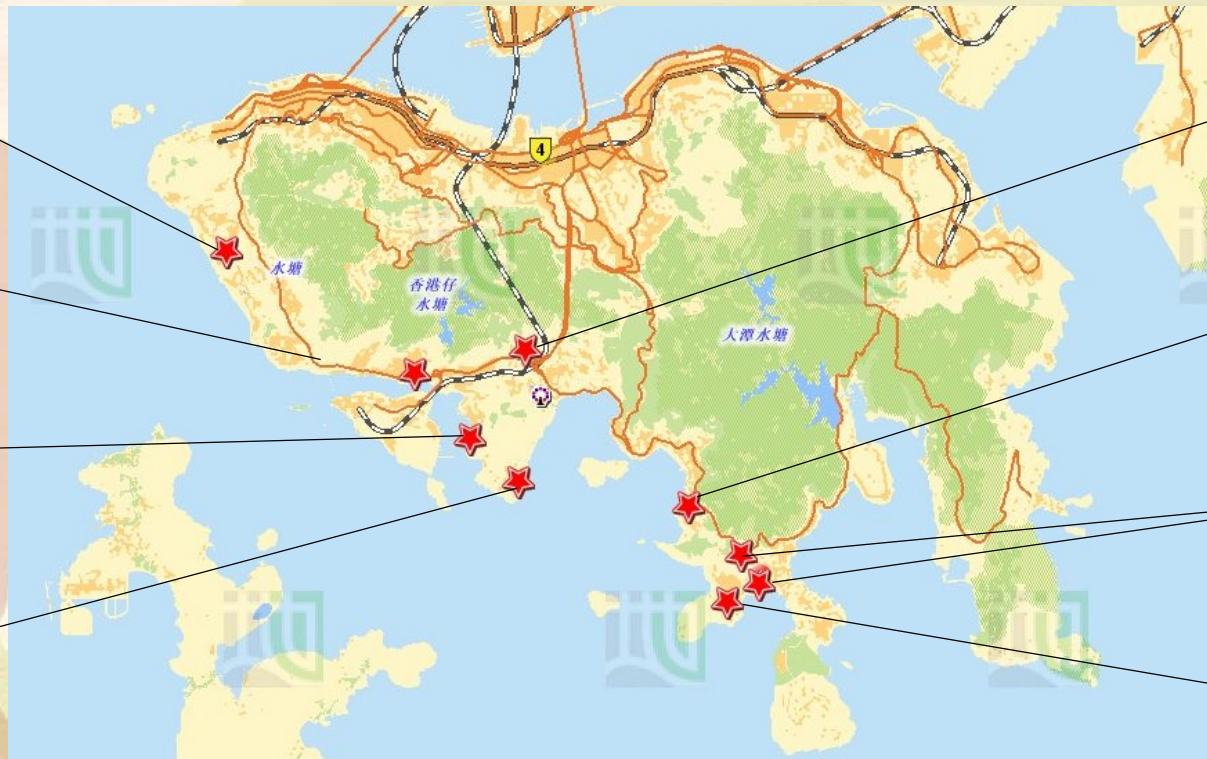
(): All districts

Sassoon Road
Relocation: 5

Aberdeen
GonaCon: 2
Relocation: 11

Sham Wan Road
Surgery: 3

Ocean Park
Surgery: 1
GonaCon: 1
Relocation: 5



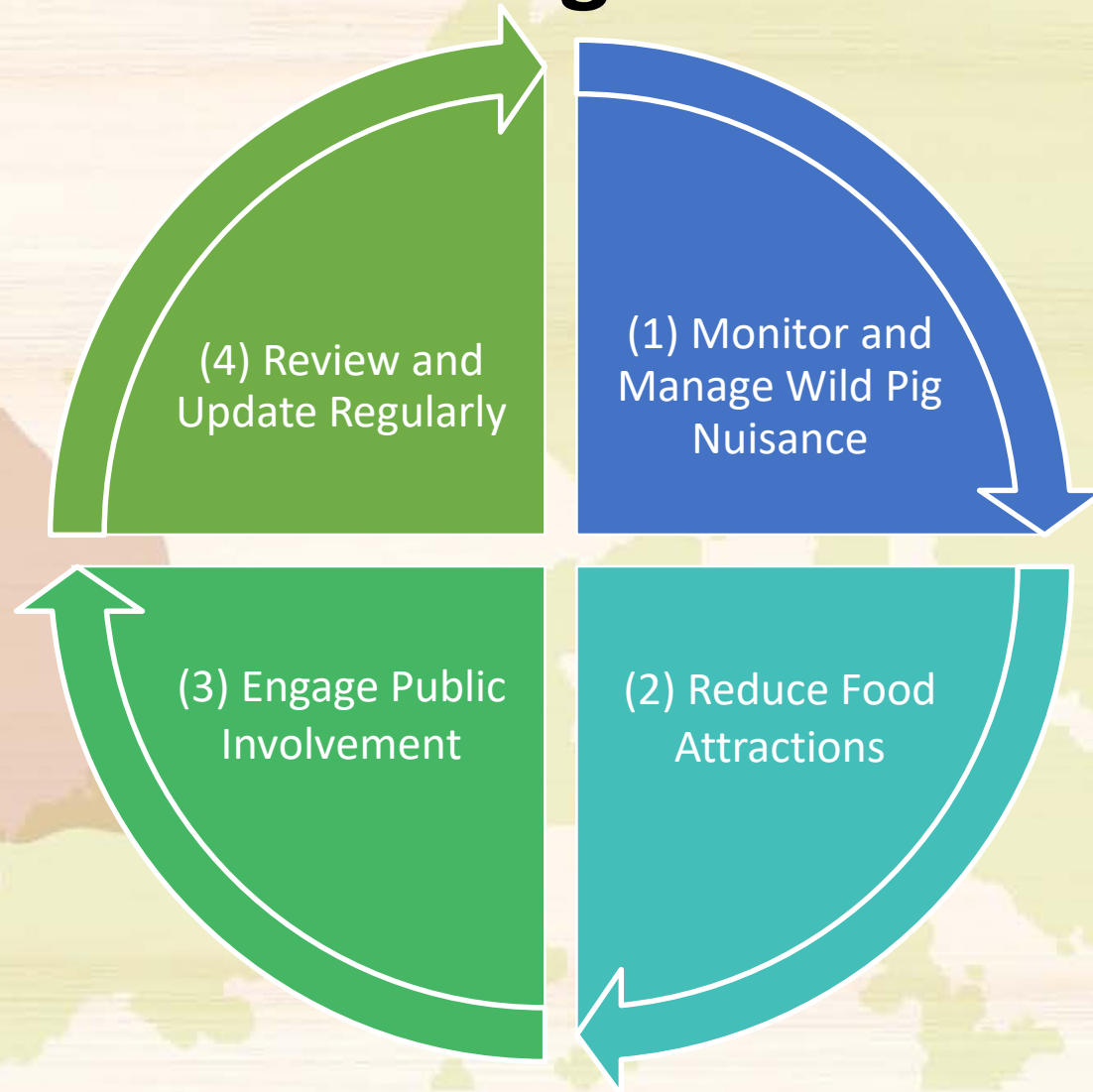
Wong Chuk Hang
GonaCon: 1
Relocation: 2

South Bay Road
GonaCon: 1
Relocation: 3

Ma Hang & Stanley
GonaCon: 9
Relocation: 18

Chung Hom Kok
GonaCon: 3
Relocation: 9

Management Action Plans for Wild Pig Nuisance



Monitor and Manage Wild Pig Nuisance

Action 1: Manage wild pig nuisance

A. Contraception



Endoscopic Surgery
[procedures to be refined]



GonaCon Study *[ongoing]*

B. Control wild pigs nuisance



Capture and Relocation
[ongoing]

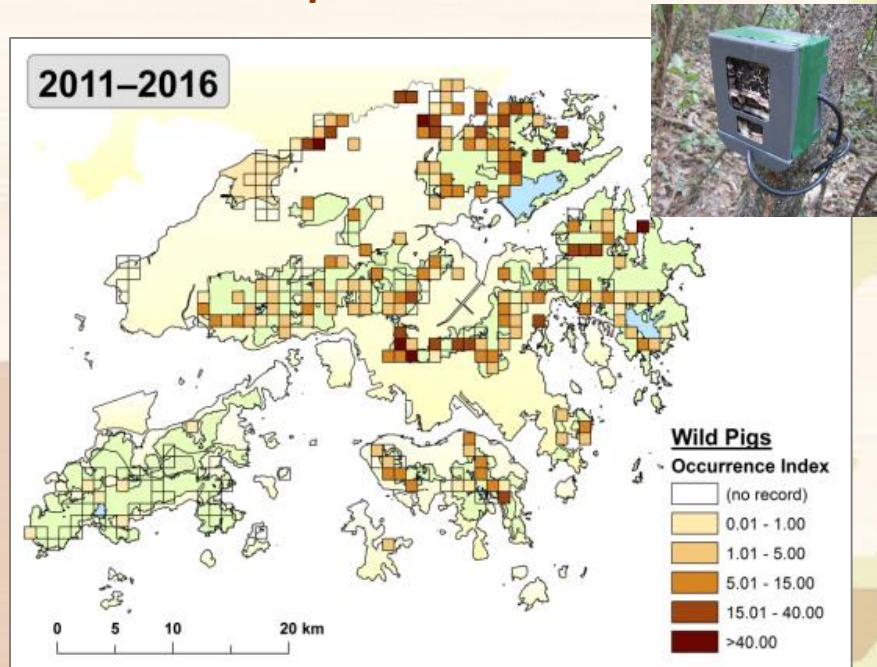


Euthanise aggressive or dangerous pigs
[Action Criteria in preparation]

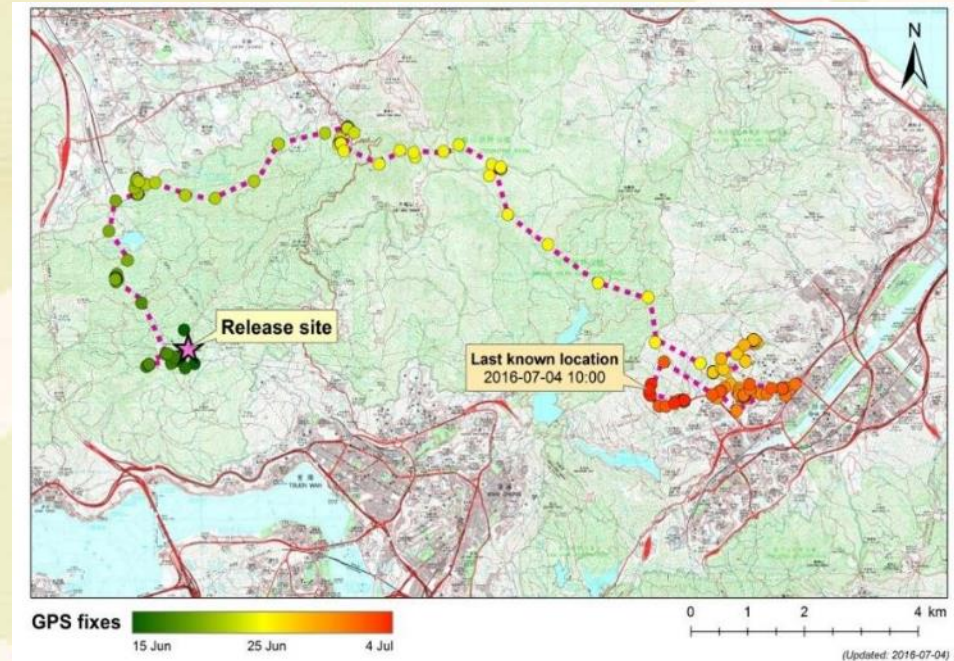
Monitor and Manage Wild Pig Nuisance

Action 2: Monitor distribution, population density and movement

A. Baseline surveys within country parks by camera traps



B. Movement Study using GPS tracking technology



C. Estimation of wild pig populations in Hong Kong

Monitor and Manage Wild Pig Nuisance

Action 3: Establish Dedicated Response Teams for More Efficient Actions

A. Set up dedicated response teams for efficient wild pigs management



Reduce Food Attraction

Action 4: Reduce Food Attraction at public area

A. Improve designs of public litter bins and public refuse containers



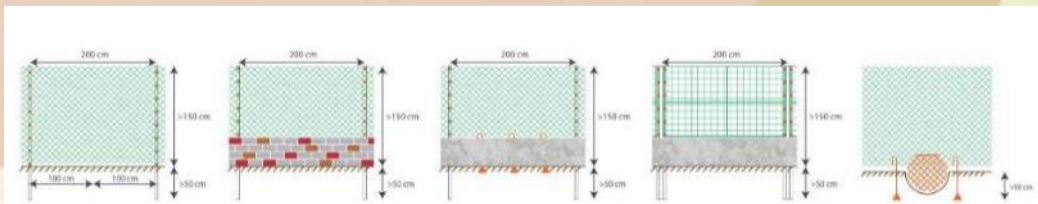
Engage Public Involvement

Action 5: Wildlife Smart Programme

A. Promote awareness of no feeding



B. Establish Technical Guideline and explore measures to assist local farmers



Proper way to erect fence

C. Promote dos and don'ts when encountering wild pigs



Stay calm and leave them undisturbed



Hide behind obstacles when necessary



Keep plastic bags and food inside backpack



Don't hit or provoke them



Don't feed them

Regular Review and Update

Action 6: Reviewing and Strengthening the management strategies

A. Establish an expert panel to review the management strategies



B. Investigate stakeholders' and general public's comments



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主頁

