

**NEASPEC Scoping Surveys on
Black-faced Spoonbills and Hooded Cranes
in Korea
(Nov 2013 ~ 2015)**

Sunyoung Park

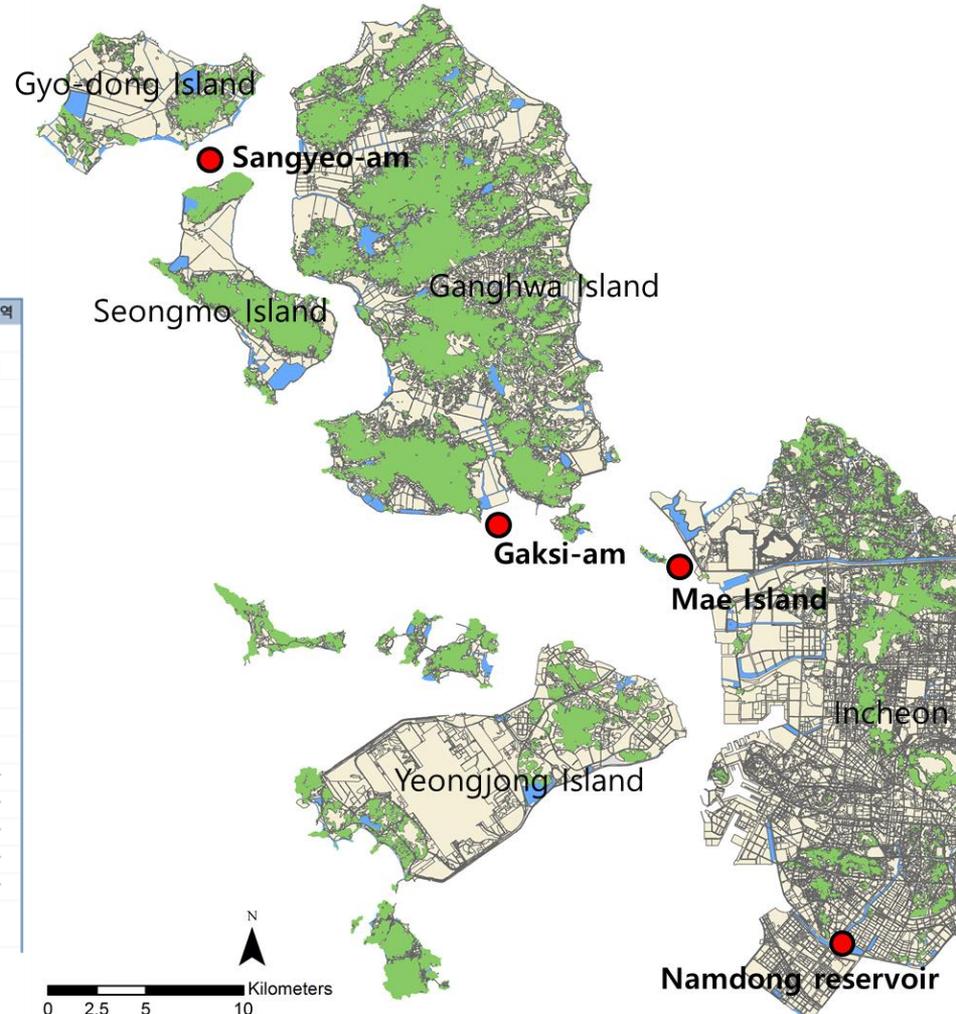
Korean Society of Environment and Ecology

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- November 28th 2016 -

BFS Scoping Survey

- Mainly 16 Breeding sites in ROKorea (as of 2016)
- Among of them, 11 sites located in Incheon and Gyeonggi Bay
- All of them are located in coastal area



번식조류 장소	저어새	저어새 번식수*	행정구역
유도	△	0~104	경기
요도	○	27~200	황해
석도	○	5~29	인천
비도	○	2~130	인천
수리봉	△	0~11	인천
함박도	△	0~50	인천
각시암	○	6~22	인천
수하암	○	6~47	인천
서만도	○	0~52	인천
갑죽도	△	0~4	인천
황서도	○	3~13	인천
구지도	○	30~180	인천
남동유수지	○	24~139	인천
상여바위	○	2~27	인천
매도	○	36~54	인천
백령도	○	3~6	인천
일산도	○	0~3	전남
이산도	○	0~18	전남
삼산도	○	0~11	전남
사산도	○	0~23	전남
육산도	○	0~18	전남
번식확인 지역수	21	85~867	

△: 과거 번식 기록은 있으나 최근 몇 년간 번식 기록 없는 경우
 ○: 연간 최소와 최대 저어새 번식량 수 범위

Source from Action Plan of Incheon & Gyeonggi WG of EAAFP 2015

저어새 번식처
(개체수 확인 안됨)

Regend
 ○ Breeding Site
 ○ Feeding Site



May 23~24, 2014
 Total 359 birds
 - 30 nests in Mae Island
 - 62 nests in Namdong



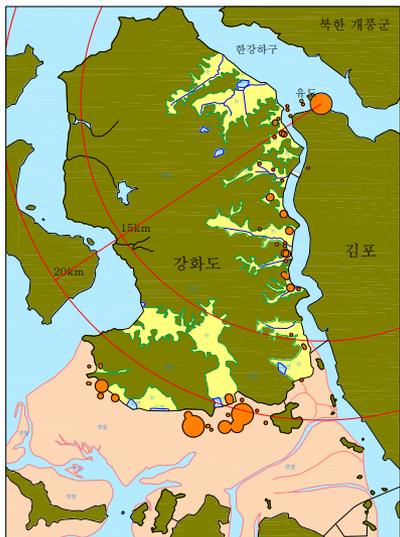
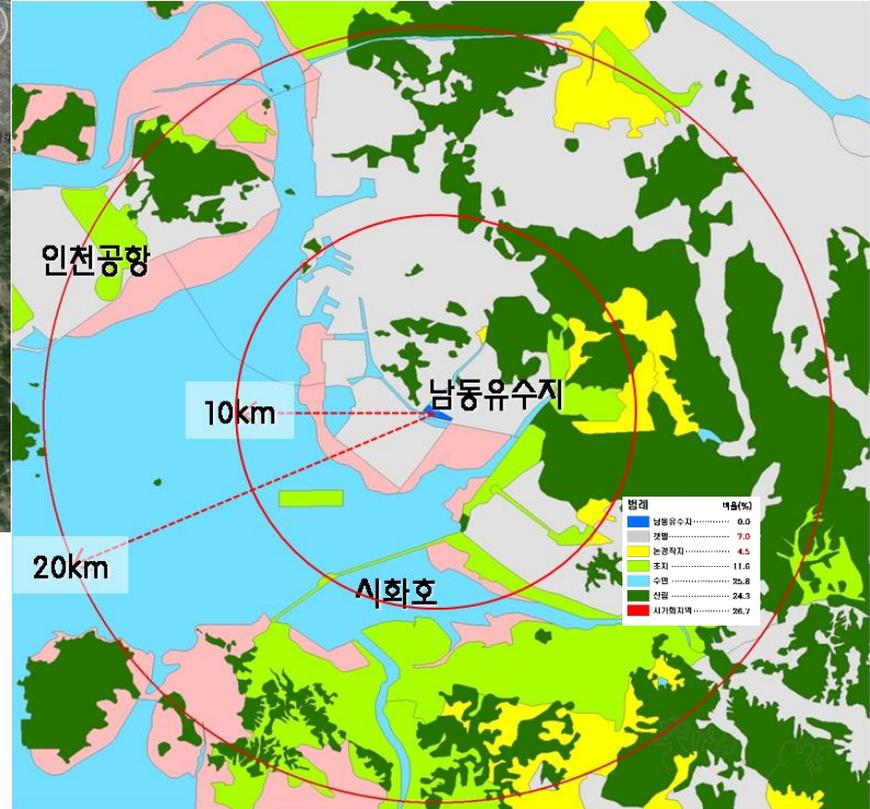
BFS Scoping Survey



Importance of Rice-paddies within 15~20 km from breeding ground



BFS recording in Incheon (May 18~19, 2013)



- 저어새 출현지역
- 1-3 birds
 - 4-9 birds
 - 10-24 birds
 - 25-44 birds
 - 45-90 birds
 - 91-180 birds
- 범례
- 경작지
 - 수면
 - 갯벌

BFS Scoping Survey





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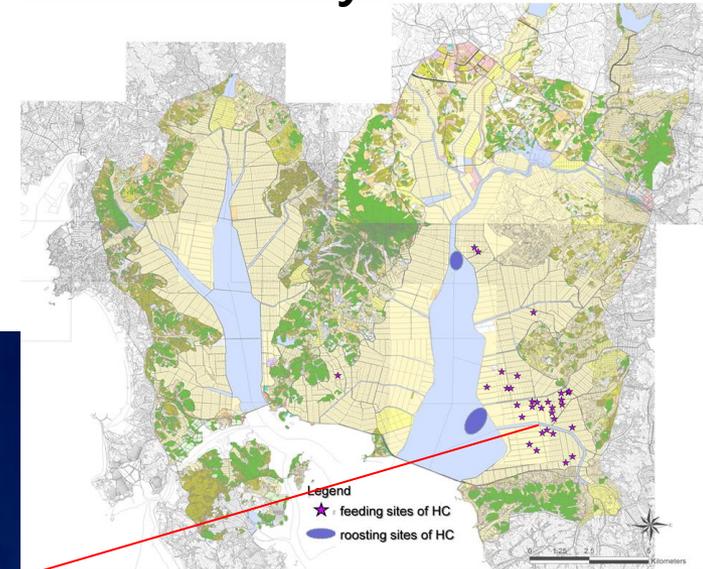
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Hooded Crane Scoping Survey

- Cheonsu bay, Korea
- important stop-over site (around 3~4,000 birds)
- Important wintering sites for 150 birds
- After 4-River project, the importance of Cheonsu bay is rapidly increasing



Cheonsu Bay



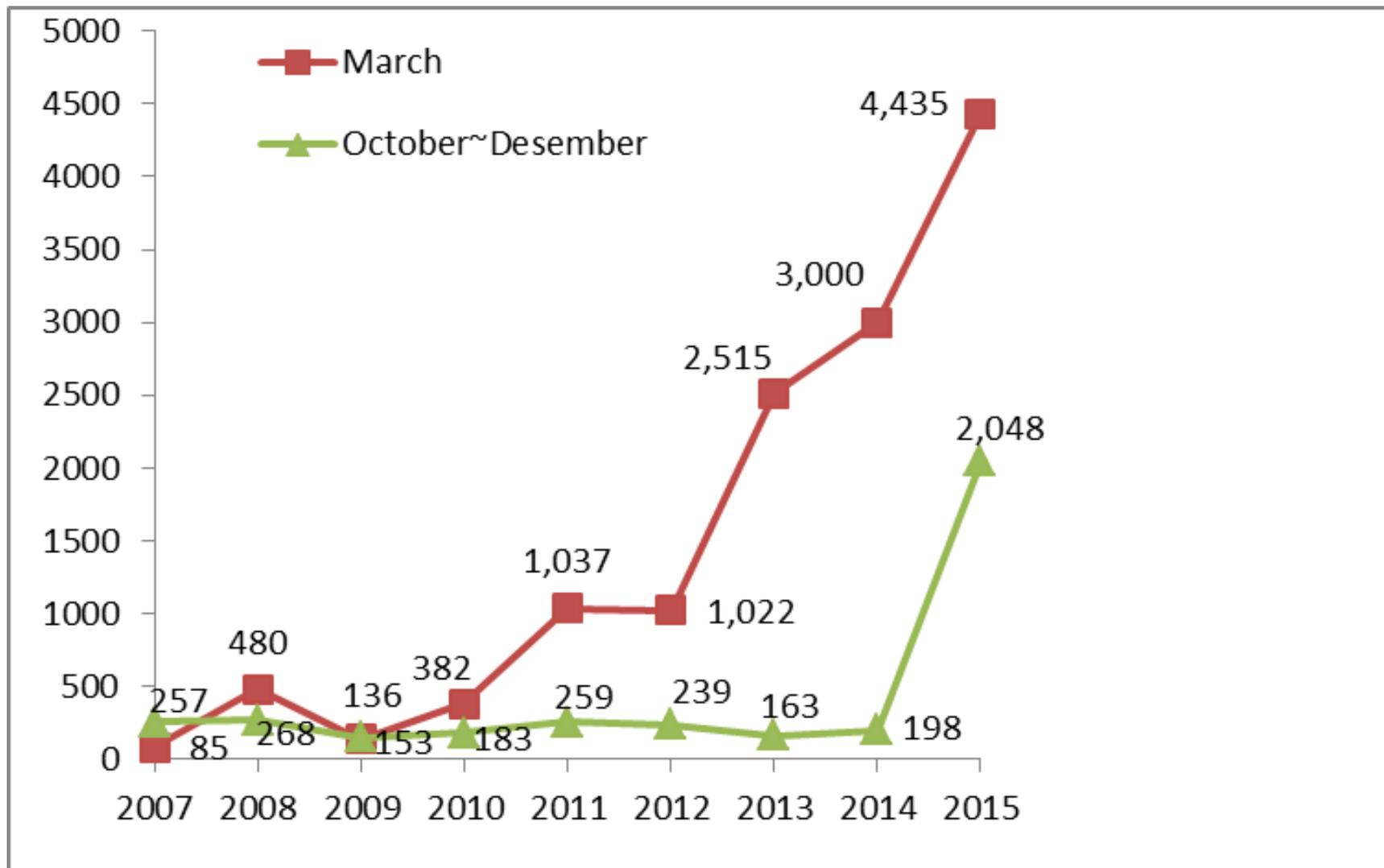
Suncheon Bay



Hooded Crane Scoping Survey

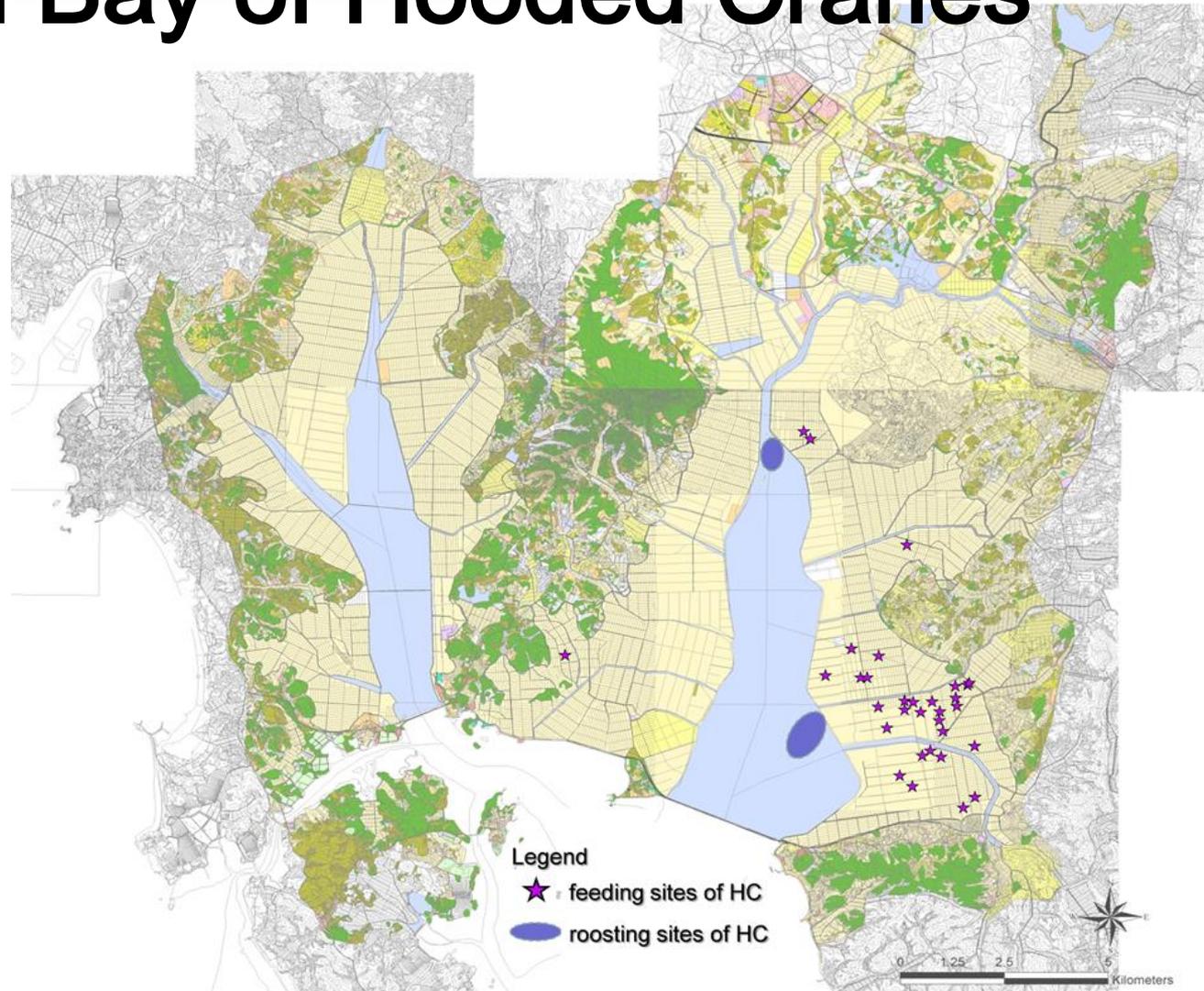


Number and Trends of Hooded Crane in Cheonsu Bay between 2007-2015



Foraging and Roosting Site in Cheonsu Bay of Hooded Cranes

- Foraging in rice-paddies but prefer particular sites used to be tidal-flat connected with stream
- Roosting of Big population in tidal-flat during migration season for 1 or 2 days



Main Threats and Recommendation

Black-faced Spoonbills (Incheon)	Hooded Crane (Cheonsu Bay)
Habitat loss and degradation: ongoing development projects in Incheon	Human disturbance: farming, photographers, tourists etc.
Lack of coordination among decision-makers: MOE, Incheon, Si-heung etc.	Lack of recognition as important stop-over and wintering sites for Hooded Crane
No designation of national PA and no management plan in result	No designation of national PA and no management plan in result

Black-faced Spoonbills (Incheon)	Hooded Crane (Cheonsu Bay)
Symbolic bird in Yellow Sea Eco-region and East Asia	Symbolic bird in Yellow Sea Eco-region and North-east Asia
Research on the habitat capacity to support breeding population, especially for rice-paddies and tidal-flats	Joint research and comparative study between Cheonsu bay, Suncheon bay, Chongmingdongtan, and Izumi
Designation of proper national protected	Management Planning to provide stable