

# Management of development projects by ordinance

Ordinance of Environment Impact Assessment(2003~)

Managing 9 major developments, taking into account the natural

environment characteristics of rivers, lakes and 82% of forests

Target areas

	<b>■</b> 042 3利	
	Scale  Scale  # 94402 # 94402 # 1824019 # 1824019 # 1824019 # 1846018 # 1846	
Extraction of Sands, stones, gravels	(1) 10,000m <sup>2</sup> ~ 20,000m <sup>2</sup> in the water source protected area (2) 25,000m <sup>2</sup> ~ 50,000m <sup>2</sup> within 5km from the water source protected are (3) 50,000m <sup>2</sup> ~100,000m <sup>2</sup> in the forests (4) 130,000m <sup>2</sup> ~250,000m <sup>2</sup> of extraction around the coastal area (5) 250,000m <sup>2</sup> ~500,000m <sup>2</sup> of extraction volume around the coast	
Development of forests	(1) $130,000$ m² $\sim 250,000$ m² of development of cemetery (2) $150,000$ m² $\sim 300,000$ m² of development of meadows	Gangwo
Reclamation sea, river and lake and Cultivation	(1) 150,000m <sup>2</sup> ~300,000m <sup>2</sup> of reclamation (2) 500,000m <sup>2</sup> ~1,000,000m <sup>2</sup> of cultivation	
\*\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		

Projects exceeding scale prescribed by the ordinance are managed by central government.

## Environment Impact Assessment(1 year prior to constructions)

Preparation report for EIA (developer → EIA committee)

#### **EIA Committee**

(Gangwon provincial government)

#### Draft plan

(developer → city and provincial government)

Hearing of resident comments (city government)

Assessment of final report (provincial government)

Assessment result (provincial government → city government, developer )

Reflection into the plan (developer)

✓ Explanation of purpose, overview, location, survey items, means, etc.

✓ About 10 persons of government officers, experts, residents

 Decision of survey items and comments of means, prediction, etc.

- ✓ Survey of natural and living environment
- √ Impact predictions
- Means to minimize the environmental damages (including restoration plan)

Restoration plan

W,

Petc | Market | M

#### Survey of fish species

Discovery

✓ Including resident of the second of t

✓ Supplementation of the

cientific name/Korean name	현지조사B	y hea	ring EA	area
Cyprinidae 잉어과				
+×Acheilognathus signifer 묵납자루	•		0	연당천
) MAMO AND Syamatsutae 출납자루			0	
Pungtungia herzi 돌고기	•	0	0	평창강, 연당천
aft pangtungia tenuicorpus সংস্কৃত্য	•		0	연당천
+ Coreoleuciscus splendidus 쉬리	•	0	0	평창강, 연당천
+ Sarcocheilichthys variegatus wakiyae 참중고기	•		0	평창강
+ Squalidus gracilis majimae 긴몰개	On-site	111	0	
Hemibarbus labeo 누치	OII-SILE		0	
Hemibarbus longirostris 참마자	survey	0	iterat	ure
+ *Hemibarbus mylodon 어름치	Sui ve y		CLURION	
Pseudogobio esocinus 모래무지	•	0	survey	평창강
+ Gobiobotia brevibarba 돌상어			0	
+ Microphysogobio yaluensis 돌마자			0	
+ Microphysogobio longidorsalis 배가사리			0	
Rhynchocypris oxycephalus 버들치		0	0	

If the means are not established properly, developer cannot drive the project.

## Post-auditing EIA(Construction~up to 5 years after development)



#### Reviewing the report, check-up on-site

#### Developer

Survey around developing area (4 times/year)

Impact predictions (beginning ~ present)

Submission of annual report (every January)

Complementary measures

# Gangwon provincial government

- ✓ Flora and Fauna, topography and geology, water quality, greenhouse gas, air quality, soil, waste, noise and vibration, etc.
- ✓ contents(Flora and Fauna)
  - status and change of vegetation
  - status of restoration (including growth status)
  - protected species, monitoring status
  - Number of animals and plants, diversity, etc



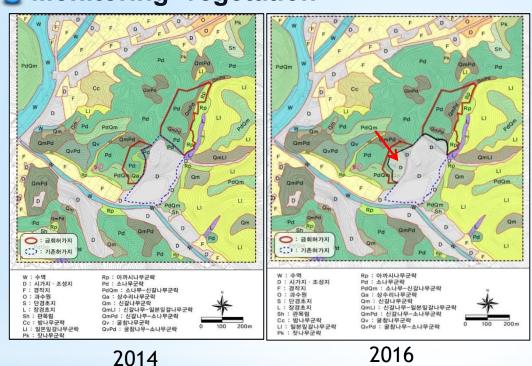
Giving opinions on the insufficient parts

Check-up on-site (once a year)

# Post-auditing EIA(sample)

### Monitoring vegetation

## Monitoring landscape changes



After restoration (prediction)



2016 (+ 3year)



2014 (+1year)



2013 (before)

## Monitoring Flora and fauna

