

TEPCO's Measures to Preserve the Nature of Oze



TOKYO ELECTRIC POWER COMPANY

Contents

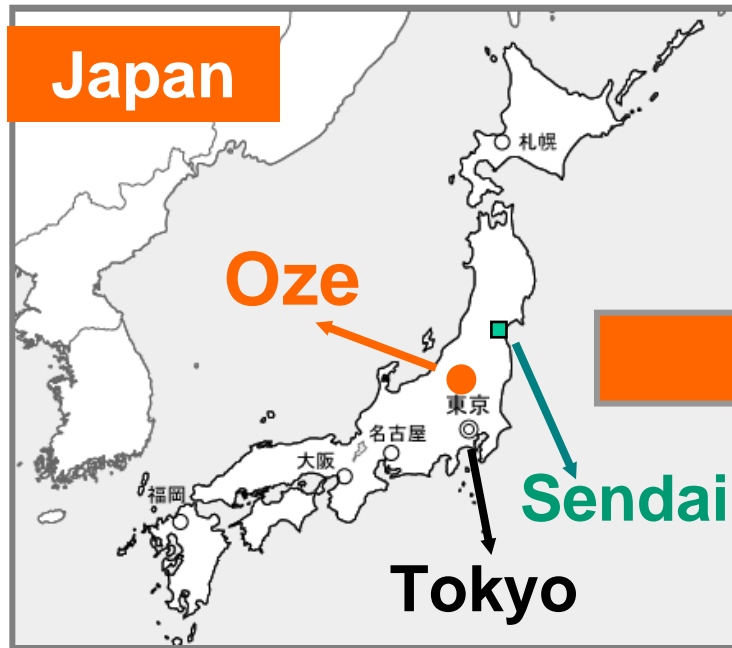
1. About Oze National Park
2. TEPCO's Involvement in Oze
3. Collaborative Preservation Management

Skunk Cabbage
(*Mizubashou*)



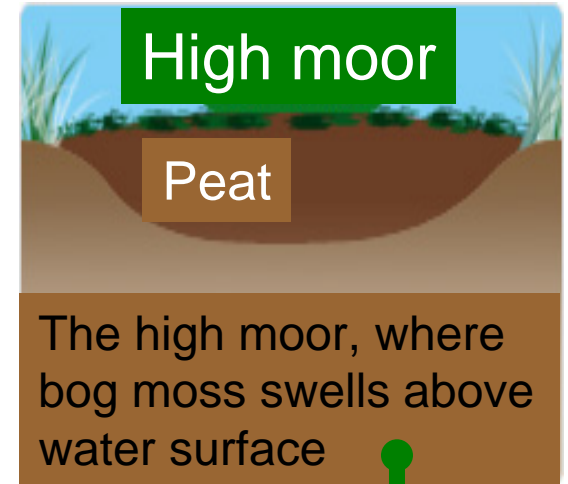
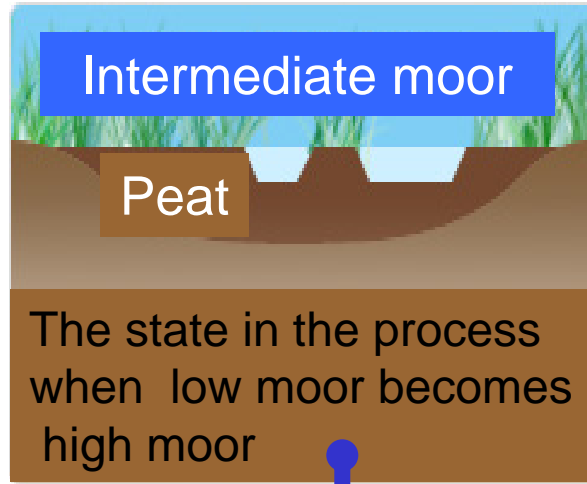
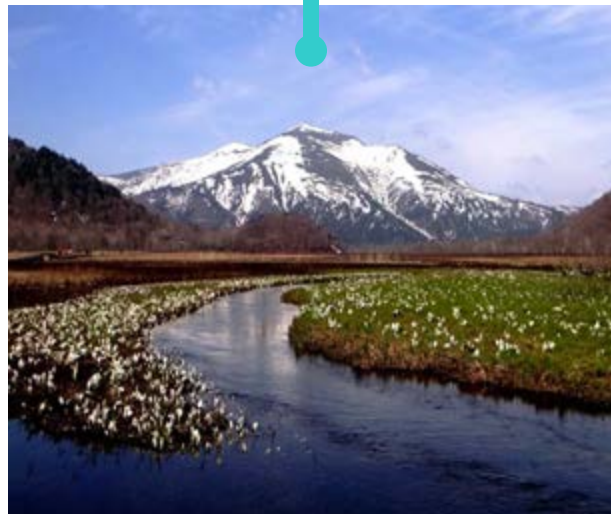
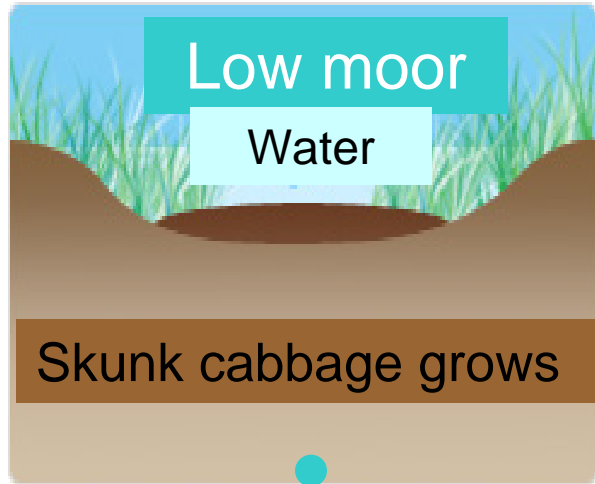
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1- 1. About Oze National Park - Location



- TEPCO property
- Former Nikko National Park
- Newly incorporated area
- Special Protection Zone

1- 2. About Oze National Park - World famous marshland



1- 3. About Oze National Park - Characteristics of flora



Relict species since the Ice Age;
Sundew (carnivorous plant)



Endangered species;
Pogonia Japonica



Southern strain;
Lindera umbellata
(Spicewood)



Relict species since the Ice Age;
Edelweiss

About 900 kinds of plants can be observed in Oze

1- 4. About Oze National Park - Characteristics of fauna

The smallest dragonfly in Japan;
Tiny Dragonfly



Inhabits Oze marshland;
Japanese Snipe



Natural Treasure;
Dormouse

- The existence of more than **150 kinds of birds** is confirmed in Oze.
- Oze marsh registered under the Ramsar Convention

Four seasons in Oze (1)

Spring



Skunk Cabbage
(Mizubashou)



Four seasons in Oze (2)

Summer



Daylily
(*Nikko Kisuge*)

Four seasons in Oze (3)

Autumn



Japanese sumac
(*Yama-urushi*)

Four seasons in Oze (4)

Winter



Oze is deeply covered with snow in winter.

2- 1. TEPCO's involvement in Oze - History of Oze

Year	History of Oze	TEPCO's involvement in Oze
1903	The plan for the first hydroelectric dam in Oze was announced by the government.	
1910	A power company acquired the land and water rights at that time.	
1934	Oze area was designated as part of the Nikko National Park (the fourth National Park in Japan) .	
1951		<ul style="list-style-type: none"> - Establishment of TEPCO - Received the Oze land and water rights
1952	Boardwalk construction started (Fukushima Prefecture)	
1950s and 1960s	Degradation caused by hikers trampling on the vegetation	
1958		TEPCO started boardwalk Construction.
1995	Establishment of the Oze Preservation Foundation	
2007	Establishment of Oze National Park (29th in Japan)	

2- 2. TEPCO's involvement in Oze - TODEN lodge

**'TODEN Lodge' was built in the 1910s
for weather-monitoring.**

Former



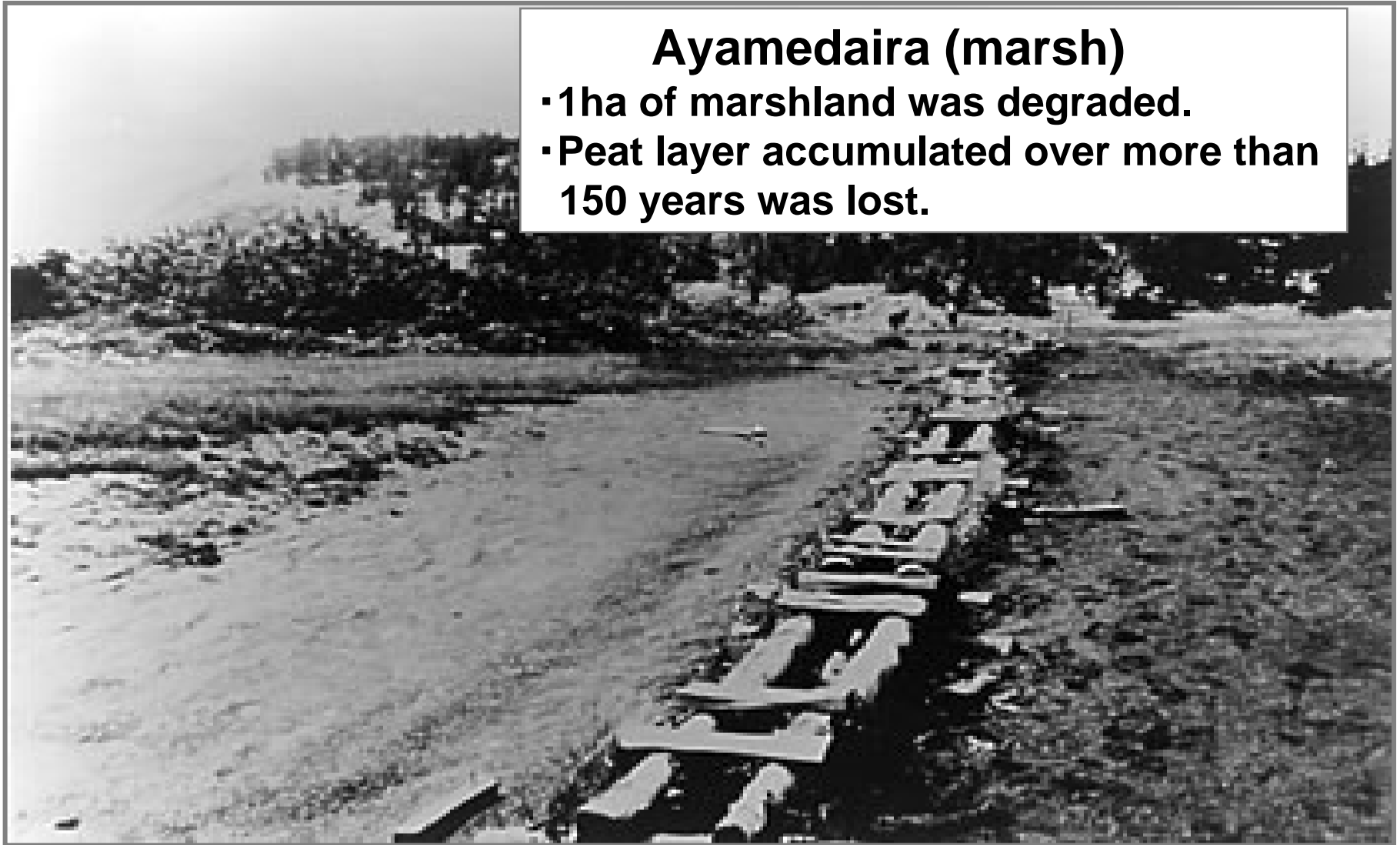
Present-day



2- 3. TEPCO's involvement in Oze - Degradation of the Nature in Oze



2- 4. TEPCO's involvement in Oze - Efforts to restore marshes (1)



Ayamedaira (marsh)

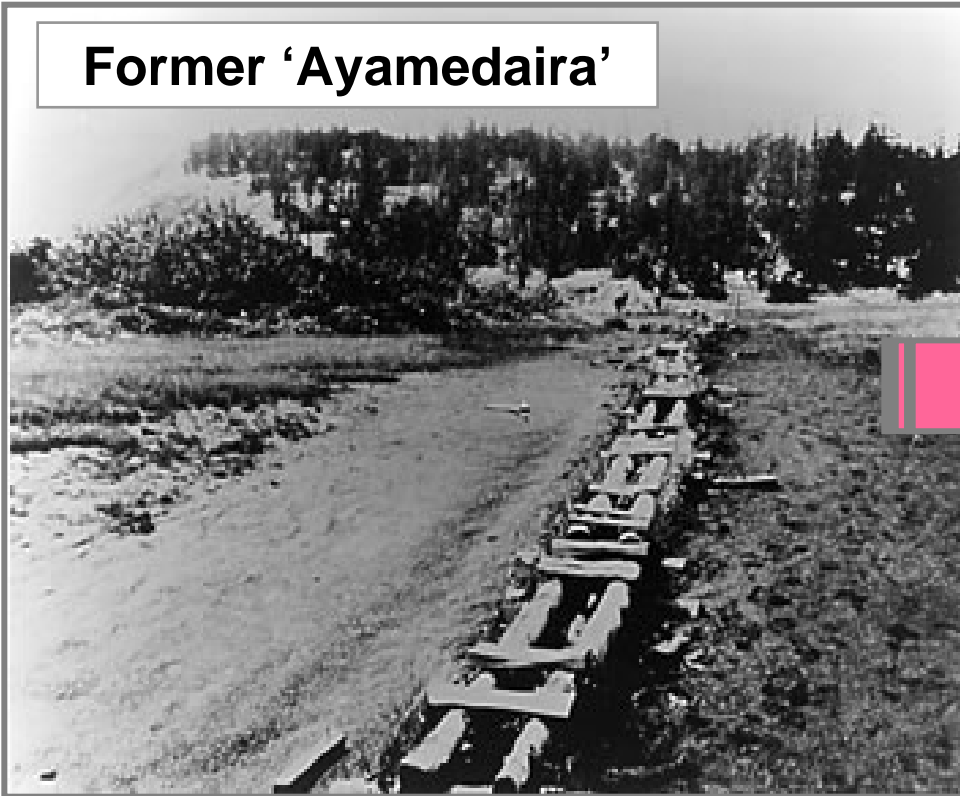
- 1ha of marshland was degraded.
- Peat layer accumulated over more than 150 years was lost.

2- 4. TEPCO's involvement in Oze - Efforts to restore marshes (2)



2- 5. TEPCO's involvement in Oze - Efforts to restore marshes (3)

Former 'Ayamedaira'



Present-day 'Ayamedaira'
(Around 90% has been restored)



Even after half a century of restoration work, there are still some places that have NOT completely recovered.

<Photo taken in Oct. 2013>

2- 6. TEPCO's involvement in Oze - Constructing boardwalks



Boardwalk replacement work
on the route to Mt. Shibutsu in 2013



- Total length of boardwalks in Oze area is 65km
 - Fukushima prefecture; 33km
 - Gunma prefecture and Ministry of the Environment; 12km
- TEPCO has laid 20km of boardwalk out of those 65km.

3- 1. Collaborative Preservation Management - The 'Take-Your-Litter-Home' movement



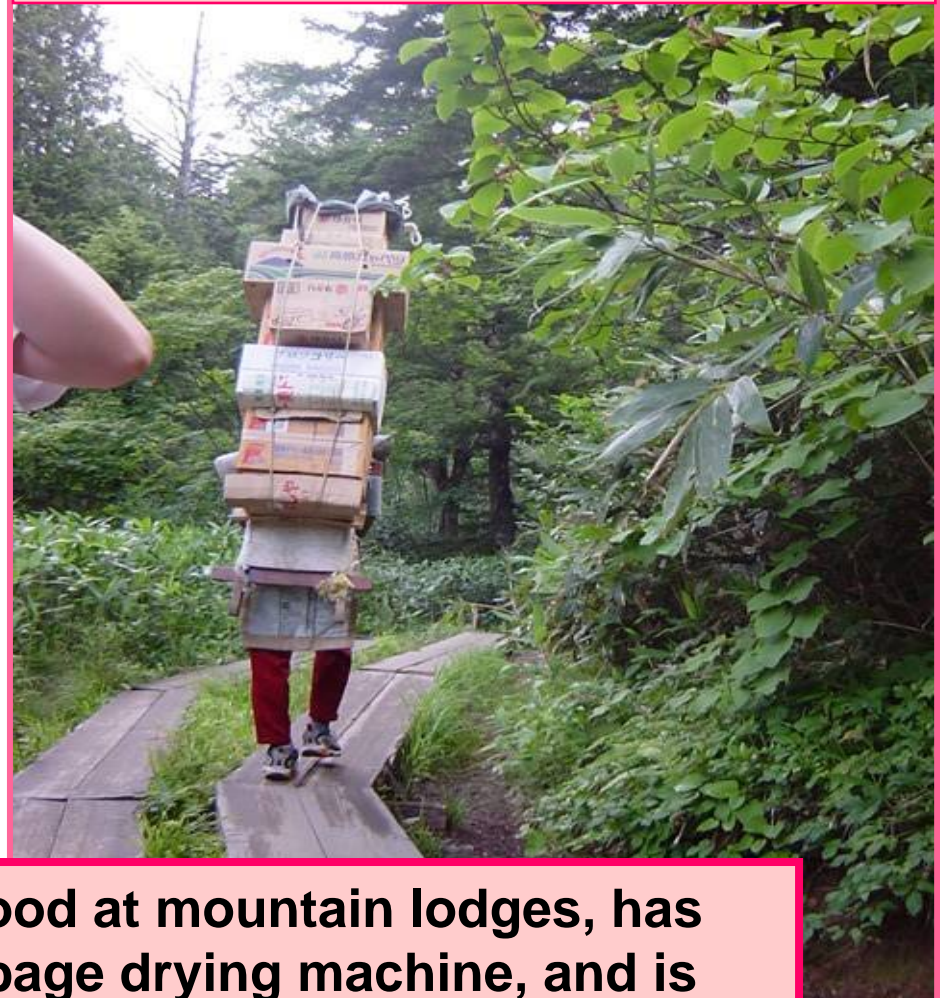
**'Let's remove waste boxes!'
An eye-opening idea**

3- 2. Collaborative Preservation Management - Current garbage disposal operation

Garbage drying machine



Garbage is carried to town by sherpas.



Garbage such as leftover food at mountain lodges, has its weight reduced by a garbage drying machine, and is then carried away by sherpas or helicopter.

3- 3. Collaborative Preservation Management - Drainage measures

Combined septic tanks



Before treatment

After treatment



Photo: Gunma Prefecture

- To clean dirty water;
Installation of combined septic tanks
- To preserve our Oze together;
Oze visitors are asked to leave a tip at public restrooms.



A tipping system
at public
restrooms

3- 4. Collaborative Preservation Management - Restriction on private cars



3- 5. Collaborative Preservation Management - Preservation of the ecosystem in Oze



Endangered species;
Ozenuma Common
Thistle



To preserve endemic species in Oze



Installation of mats which remove
seeds stuck to shoe soles to prevent
foreign species from entering.

3- 6. Collaborative Preservation Management - Environment education activities



**‘People with pride in Oze should pass its beauty
down for the generations’
‘The Oze charter, Gunma Prefecture’**

3- 7. Collaborative Preservation Management - Establishment of the Oze Preservation Foundation

1995: Establishment of Oze Preservation Foundation
2006: Development of 'Oze Vision'

2008: Establishment of Oze National Park Council



<Governors>

Left: Niigata governor

Middle: Gunma governor

Right: Fukushima governor



尾瀬サミット2013

2013. 9. 3 公益財団法人 尾瀬保護財団

Oze summit conference,
2013

Oze Vision

Preserve and Enjoy our Oze Together

Thank you very much



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