



Asia Park Congress

Developing the Protected Areas Master List: Challenges & Lessons Learned

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**A collaboration between the Ministry
of Natural Resources and
Environment Malaysia (NRE) and
WWF-Malaysia**

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1 Background

The need for a Protected Area Master List

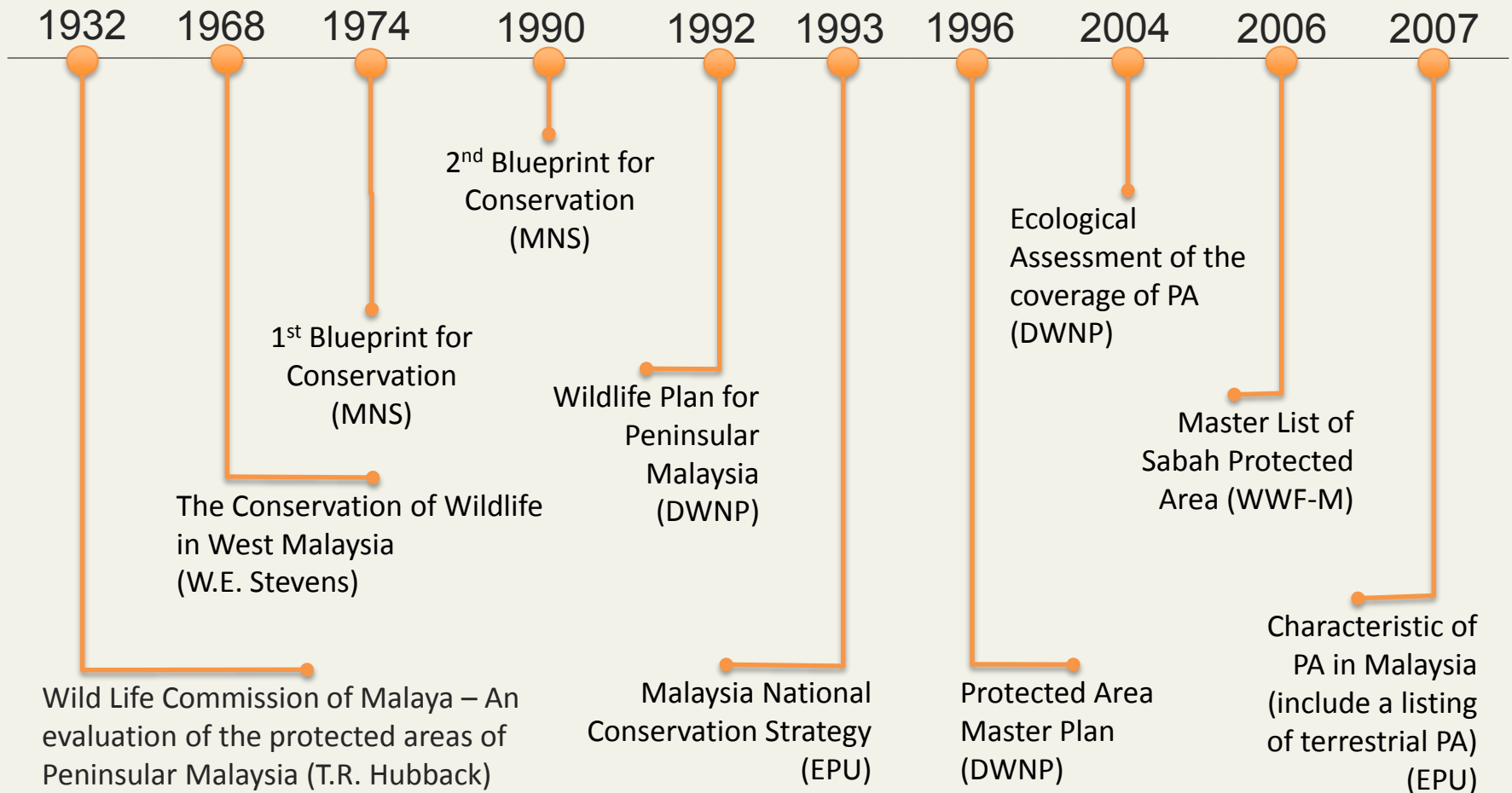
- Standardisation for planning, management and monitoring purposes
- Facilitate the identification of gaps and formulating of strategies for protected areas
- Contribute to national biodiversity assessment



Current Scenario

- Different understanding of what is a PA
- Different figures quoted for PA coverage
- Many legal instruments used to gazette PA
- Many PA managing authorities

Existing Lists in Malaysia



Current work

- Final phase of the Malaysian-Danish Environmental Cooperation Programme (2006-2009)
- Biodiversity Component under the NRE
- WWF was commissioned to produce the first official national master list of terrestrial and marine PA in Malaysia

Methodologies

Review of existing literature providing lists of PAs in Malaysia.

Circulation of datasheets for completion by PA management authorities.

A specific search for the original State and Federal *Gazette* notifications for key areas

A specific search for all state *Gazette* notifications under the National Forestry Act 1984 (1984-May 2012)

A general review of State *Gazette* notifications from 1984 to May 2012.

Consultation with selected stakeholders on areas to be listed, assigning IUCN category, etc.

Procurement of available gazette/certified plans (maps), followed by scanning, digitising, and GIS analysis.



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Challenges & Lessons Learned



Developing the Master List

- The need for data
- Challenges
 - Reaching consensus
 - Data availability
 - Data management



Reaching Consensus

- What is a Protected Area (in the national context)?
- Which areas to include & exclude?
- How do we deal with overlapping issues?
- How do we assign the IUCN categories?

Data Availability

- Tracing the information
- Inconsistency of data recorded
 - Boundary description, gazette plan
 - Size (of PA) not stated
 - Objective (of PA) not stated – need supporting documents
- Examples of gazette notifications & plans used



GAME RESERVE.

No. 174.—It is hereby notified that under the provisions of the Animals and Birds Protection Enactment, 1902, (Section 12), His Highness the Sultan in Council has created the land described in the schedule hereto a reserve for the preservation of animals and birds, and no person shall without the written permission of His said Highness shoot any animal or bird within the said reserve.

SCHEDULE.

District—Kuala Kangsar. *Mukim*—Pulau Kamiri. *Boundaries*—North and North-West, The range of mountains known as Gunong Tahai; East, A straight line due North from Kuala Sungei Chenain to the Gunong Tahai; South, A line parallel to the Sungei Plus and 10 chains from it on the right, or North Bank from Sungei Chenain to Sungei Bikom; West, The Sungei Bikom.

24th March, 1903.



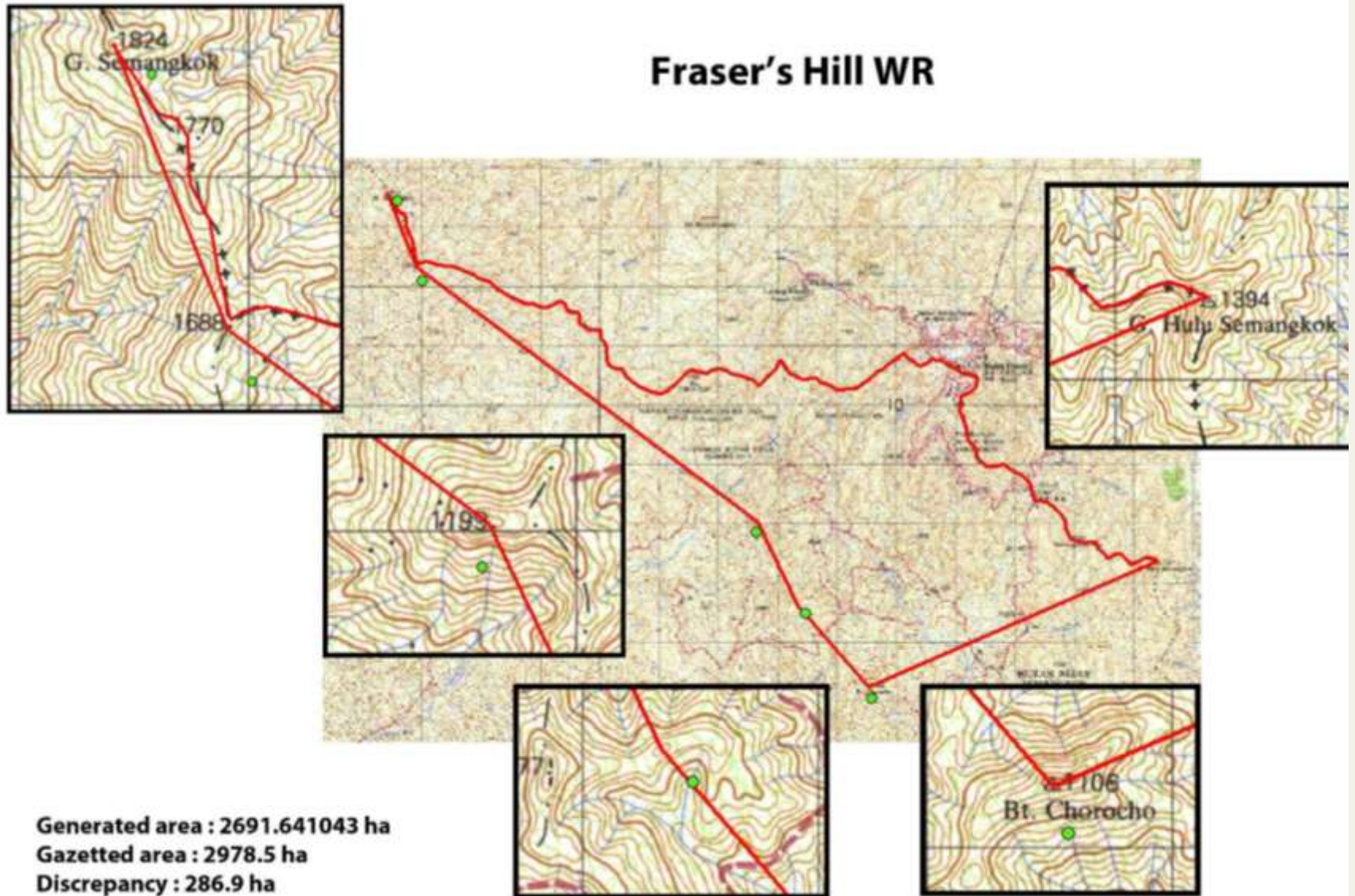
No. 493.—GAME RESERVE.—It is hereby notified that under the provisions of "The Wild Animals and Birds Protection Enactment, 1904" (section 18), His Highness the Sultan of Perak in Council has created the land described in the schedule hereto a reserve for the preservation of animals and birds, and no person shall, without the written permission of His said Highness, shoot any animal or bird within the said reserve.

Notification No. 174, published in the *Perak Government Gazette* of the 27th March, 1903, is hereby cancelled. *Chior Big Game WR*

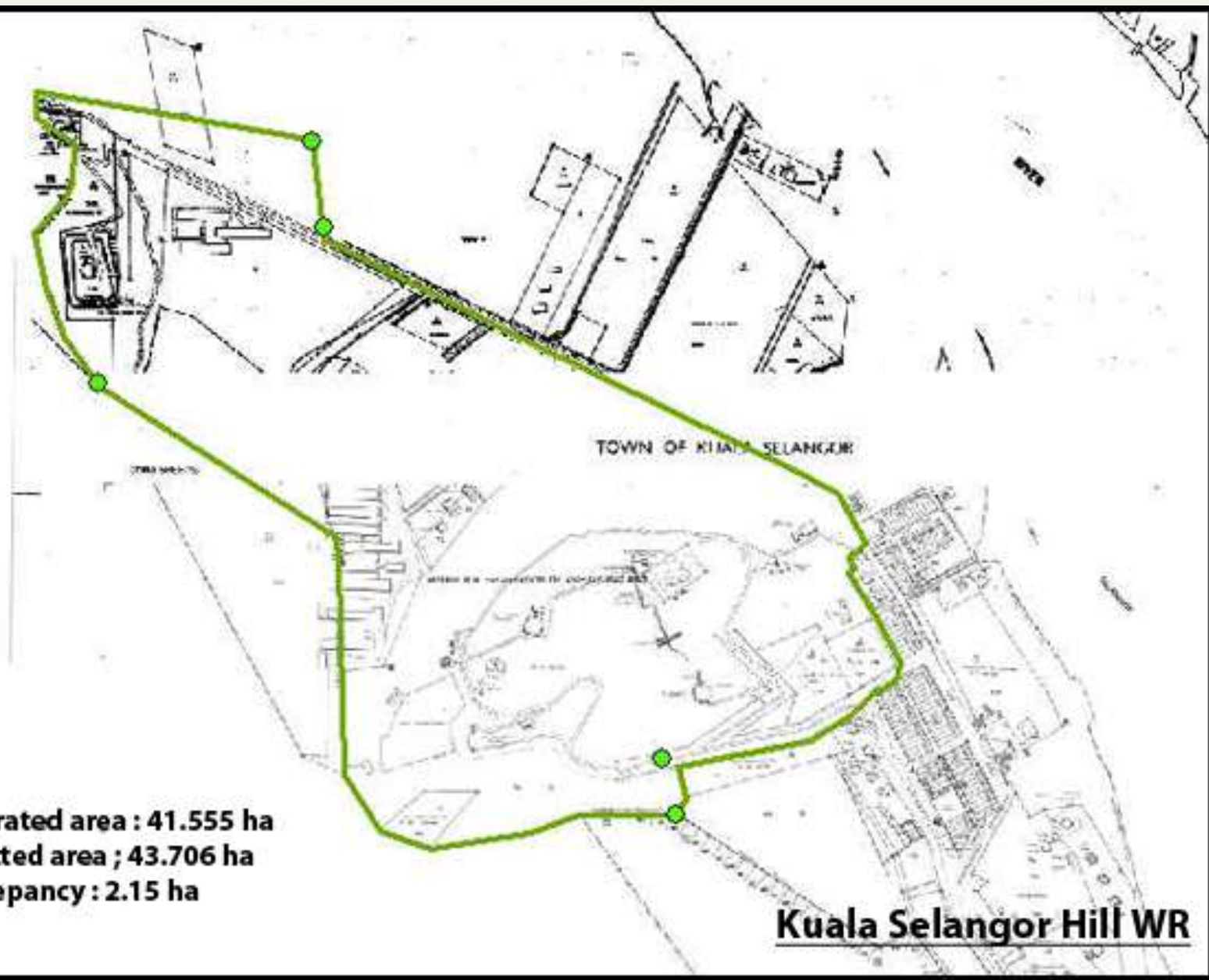
SCHEDULE.

District—Kuala Kangsar. *Mukim*—Pulau Kamiri. *Boundaries*—Commencing at the point where the Sungei Bekom intersects the western boundary of mining lot 530; thence along the western and northern boundaries of that lot, northern boundaries of lots 753 and 754, northern and eastern boundaries of lot 755, eastern boundary of lot 756, northern and eastern boundaries of lot 760 to the south-eastern corner of that lot; thence across the Sungei Chior to the north-western corner of lot 1,049 and along the northern boundaries of lots 1,049, 762, 763, 764, 765, 766, 767, 768, 769, and the northern and eastern boundaries of lot 770 to the south-eastern corner of that lot; thence up the valley of the Sungei Plus (maintaining a reserve of ten chains from the right bank) to a cleared line between Sungei Getil and Sungei Dina; thence along the cleared line marked by stones in pairs at half mile intervals and bearing approximately $305^{\circ} 30'$ to a stone bearing $195^{\circ} 20'$ and 394 links distant from the south-eastern corner of the dumping ground for mining lot 881; thence to the south-eastern corner of the dumping ground and along the southern boundary to the western corner of that area; thence across the Sungei Chior to a stone on the western boundary of mining lot 881 and along the eastern boundary of that lot to the south-eastern corner; thence in a direct line to the eastern corner of mining lot 904 and along the eastern and southern boundaries to the western corner of that lot; thence along a cleared line marked with stones in pairs at half mile intervals and bearing approximately 227° to the ridge of the hills dividing the Chior and Bekom valleys and along the ridge to the Ulu of the Sungei Bekom; thence downstream along the Sungei Bekom to the point of commencement.

Fraser's Hill WR



Generated area : 2691.641043 ha
Gazetted area : 2978.5 ha
Discrepancy : 286.9 ha



Generated area : 41.555 ha
Gazetted area ; 43.706 ha
Discrepancy : 2.15 ha

Kuala Selangor Hill WR

Data Management

- Gazette notifications and gazette plans as the primary source
- Changes in the PA status were not registered
 - Degazettement, downsizing, downgrading, extension, upgrading

Case study: Bukit Nenas Wildlife Reserve

No	Gazette notification	Status	Act	Excised area (ha)	Remaining Size (ha)
1.	GN 587-1906	Gazettement	Land Enactment 1918	N/A	17.28
2.	GN 1420-1915	Excision		0.13	17.15
3.	GN 2626-1932	Excision		1.12	16.03
4.	GN 8435-1933	Excision		0.02	16.00
5.	GN 3747-1934	Regazettement	Wild Animals & Bird Protection Enactment 1925	Unknown	Area is defined by the previous 4 notifications and exclusive of the government quarters compound & quarters of Forestry Dept at Ampang Road



No. 1420.—NOTIFICATION UNDER SECTION 9 OF "THE LAND ENACTMENT, 1911."—RESERVATION OF LAND FOR PUBLIC PURPOSES.—In exercise of the powers vested in him by section 9 of "The Land Enactment, 1911," the Resident of Selangor proclaims that parcel of land situated in the town of Kuala Lumpur, described in the schedule hereto, and delineated upon revenue survey plan No. 10,959, deposited in the office of the Superintendent of Revenue Surveys, Selangor, to be a reserve for the purpose of a Forest Reservation, to be maintained by the officer for the time being holding the appointment of Conservator of Forests, Federated Malay States.

This notification is made under section 9 of "The Land Enactment, 1911."

Dated at Kuala Lumpur, this 31st day of May, 1915.

O. F. STONON,
Secretary to Resident, Selangor.

No. 2626.—In exercise of the powers vested in him by section 25 of "The Forest Enactment, 1918," the Resident of Selangor, with the approval of the State Council, hereby directs that from the date of publication of this notification in the *Gazette*, those parcels of land, being allotments Nos. 197 and 200, section 49, town of Kuala Lumpur, having the areas of 20.95 perches and 2 acres 2 roods 23 perches, respectively, and delineated upon revenue survey plan No. 18,245, deposited in the office of the Superintendent of Revenue Surveys, Selangor, shall cease to be part of the Forest Reserves, declared by the *Gazette* Notification Nos. 1420 of 4th June, 1915, and 587 of 14th September, 1906, respectively.

Dated at Kuala Lumpur, this 17th day of March, 1932.

[Sel. L. & M. 104/29.]

N. COULSON,
Acting Secretary to Resident, Selangor.

"THE FOREST ENACTMENT, 1918"—(cont.).

THE PARTIAL REVOCATION OF THE FOREST RESERVE IN KUALA LUMPUR.

No. 8435.—In exercise of the powers vested in him by section 25 of "The Forest Enactment, 1918," the Resident of Selangor, with the approval of the State Council, hereby directs that from the date of publication of this notification in the *Gazette*, that parcel of land, being allotment No. 202 section 49, town of Kuala Lumpur, having an area of 9.18 perches, and delineated upon revenue survey plan No. 14,613, deposited in the office of the Superintendent of Revenue Surveys, Selangor, shall cease to be part of the Welds Hill Forest Reserve, declared by the *Gazette* Notification No. 587 of the 14th September, 1906.

Dated at Kuala Lumpur, this 2nd day of November, 1933.

[Sel. Sec. L. & M. 16/32.]

W. A. GORDON-HALL,
Acting Secretary to Resident, Selangor.

DECLARATION OF SANCTUARY UNDER.

No. 3747.—By virtue of the powers vested in him by section 7 (i) of "The Wild Animals and Birds Protection Enactment, 1925," the Resident of Selangor, with the consent of the Ruler of the State in Council, hereby declares the area specified in the schedule hereto to be exclusively reserved for the preservation of animals and birds. [Sel. G. 357/34.]

Lessons learned

- Need for a custodian of the Master List
Hosting, maintaining & updating of the protected areas database; resolving outstanding issues etc.
- Establish a registration system for recording new protected areas and changes to existing protected areas
Including adoption of a uniform data sheet, access to and availability of information, operational costs, and field verification of protected areas)
- Coordinated approach by all PA managing authorities
To ensure that any arising issue can be dealt with efficiently



Acknowledgements

- Ministry of Natural Resources and the Environment
 - Biodiversity and Forestry Management Division
 - Department of Survey and Mapping Malaysia
- PA Managing Authorities
 - Dept. of Wildlife and National Parks, Forestry Department Peninsular Malaysia, state Forestry Departments (Peninsular Malaysia), Dept. of Fisheries Malaysia, Dept. of Marine Parks Malaysia, Johor National Parks Corporation, Perak State Parks Corporation, Sabah Forestry Dept., Sabah Parks, Sabah Wildlife Dept., Yayasan Sabah, Forest Department of Sarawak, Sarawak Forestry Corporation, Sabah Wetlands Conservation Society and Malaysian Nature Society
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Thank you

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