River rehabilitation and conservation in Japan
Kamo-River 鴨川 in Kyoto Japan
Kamo-River 鴨川 in Kyoto Japan
River conservation in Japan
Embayment (湾処-wando)

Yodogawa - Yodo River : Shirokita wando (城北ワンド)
Embankment (湾廻-wando)

Yodogawa - Yodo River : Shirokita wando (城北ワンド)
Embayment (湾処-wando)

Yodogawa - Yodo River : Shirokita wando (城北ワンド)
Spur dikes / Groyne (groyne in US)

Katsura river

spur dike
Function of a spur dike (groyne) in river

- to control discharge (improve navigation by reducing width of river)
- control sedimentation and erosion
- to create embayment, which is the habitat for flora and fauna
Ecological effect of river improvement work -
Yodo River

Fish that depends on “embayment” for breeding
or as habitat
Flora in the embayment of Shirokita Wando
Shirokita Wando / Embayment at Yodo River

Shirokita Embayment

Toyosato “pool” (tamari)

Groynes

Akagawa “pool”

Design discharge = 6950 m$^3$/s
Shirokita Wando / Embayment at Yodo River

Baseball ground

Tennis court

Toyosato “pool” (tamari)

Shirokita embayment

Football ground

Park

Baseball ground

Design discharge = 12000m³/s
Change of landscape near Hirakata at KM-26
**Yodo River**

**Stagnant water**

**Stream**

**Carps**

*Zacco platypus*

*Hermibarbus barbus*

**Japanese Bitterlings**

*Acheilognathus longipinnis*

*Acheilognathus tabira tabira*
Ecosystem of River
- birds -
Kawagawa Chidori
鴨川千鳥（イカルチドリ）
Charadrius Placidus
Charadrius Placidus

Effect of hydraulic structure on the formation of sand bar in Kamogawa
Reproduction of sand bar downstream of a step in a stream by experiment
Numerical simulation

0h

2.5h

3.0h

3.5h
River conservation - Malaysia

File: Malaysia River (Klang).key
ROFL - River of Life

Transformation of Klang River into a vibrant and liveable waterfront with high economic value
Sturgeon Project
Discard RM120 million sturgeon project
August 20, 2013

FMT LETTER: From S M Mohd Idris, via e-mail

Sahabat Alam Malaysia (SAM) wishes to comment on the RM120 million sturgeon project to be built in Pahang under the East Coast Economic Region (ECER) to benefit the Felda settlers and their families.

The eight hectare sturgeon farming complex is expected to produce up to 30 metric tonnes of caviar per year at a market price of between US$3,000 (RM9 000) and US$5,000 (RM15 000) per kg.

The key question is whether a preliminary study has been carried out on the need for and viability of this project before signing the memorandum of understanding (MOU) between Felda Investment Corporation and MMC Co Ltd of South Korea.

Ecological disaster in Taman Negara?

I REFER to the letter “Amend law to allow in sturgeon” (The Star, July 4).

The writer may be right that the likelihood of escaped sturgeons surviving in our tropical rivers is slim but over time, they can adapt to its new environment.
SAY NO TO
STURGEON PROJECT IN KUALA TAHAN PAHANG

Kami Bantah Projek Penternakan Ikan Sturgeon di Kuala Tahan
Masyarakat

Sewaktu kisah hutan simpan di Sg Tabung digondol tanpa sebarang papantanda dan tanpa pengetahuan penduduk kampung serta bekalan air dicuri, tiada jawapan diberikan apa yang sebenarnya berlaku. ADUN Tahan sendiri memberi komen menyuruh kami ... Lihat seterusnya..
Next Chapter – Gradually Varied flow