

Comment's

- Report structure is OK. (Clear, following,)
- Add General introduction – (Progress, achievement and remaining work, implementation plan for Bio RA as guide for readers)
- Cannot provide detail comments on technical issues – Need consult with national experts and specialists.

Vol. 1: SPECIALISTS' REPORT

- Introduction – ok
- Bio RA Zone and FA : re-name to follow (BioRA Zone 8 – Delta and BioRA FA8 –Delta)
- Historical events affecting the LMB aquatic ecosystem: Water resources control system expanded in MKC 1980-2010
- Modelled indicators – general Ok, (may have more Comment later)
- Ecological status ratings - No comment
- Scoring system used for response curves: Severity Ratings , Integrity Ratings - No comment
- Discipline of BioRA : geomorphology, vegetation, Fish, macroinvertebrates, herpetofauna, bird, mammal – Status and trend – Complicated assessment – need experts and specialist review.

Biora DSS theory

The Biora-DSS system, it requires themes, IT ... it needs to explain

1. The link between
2. Example in hydro have the explanation
3. The theory of the

Guideline on select parameters

DRIFT - Bio

Project 1. Setup 2. Knowledge Capture 3. Analysis

2. KNOWLEDGE CAPTURE Hydrology / Site calibration

HYDROLOGY & HYDRAULICS

- Parameters & time-series data
- Delineate flood events
- Site calibration
- Calc flow indicators
- Indicator charts

EXTERNAL INDICATORS

- External indicator names
- Calc external indicators

CONNECTIVITY

- Water Resource Dev, Effects

RESPONSE CURVES

- Habitat & biota
- Socio-economic
- Export / Import

INTEGRITY

- Discipline integrity weights
- Site integrity weights
- Present Ecological Status
- Abundance/Integrity relationship

FA1-Pak Beng

Parameters Results Seasons Data

General Hydrology Hydraulics

Season delineation

Hydro start month: 1.00

Q moving avg. period: 5.00 days

Use recession rate for end of T2:

Use base flow for delineation:

Use defined seasons to calc onset:

End of Dry Season:

Perennial: 5.30 x Min. Dry Season Q

Ephemeral: 0.40 x Mean Annual Q

Flood Season Crossings: 1.00 x Mean Annual Q

End of T2:

Recession Rate <: 0.70 m3/day

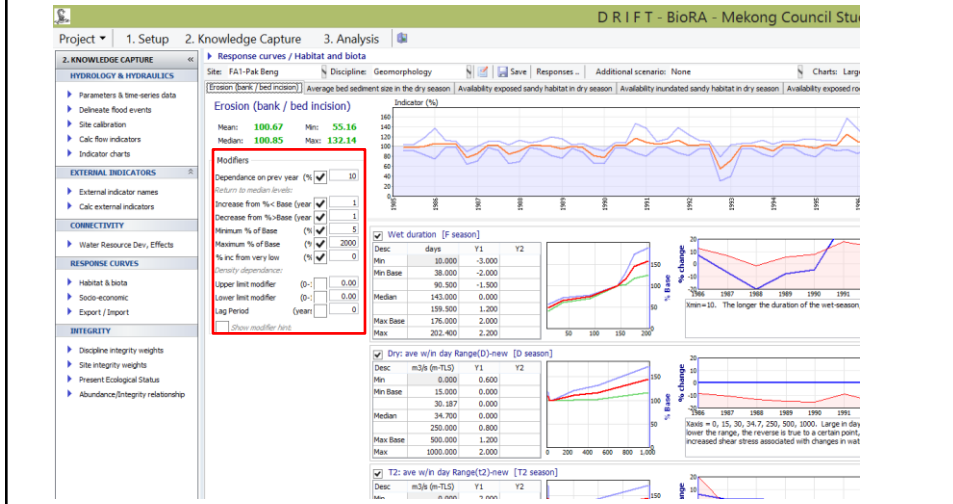
Rate calculated over: 7.00 days

Season (D, T1, W, T2)

Jan	D
Feb	D
Mar	D
Apr	D
May	D
Jun	T1
Jul	W
Aug	W
Sep	W
Oct	W
Nov	T2
Dec	D

Biora DSS...

Need to have the technical guideline of the DSS.



Biora DSS - manual

- Help menu (explain about the meaning of the parameters, chart...)
- Need to have a simple new project to practice (training).
- Maintaining and updating the Biora-DSS.
- Calibration term.

