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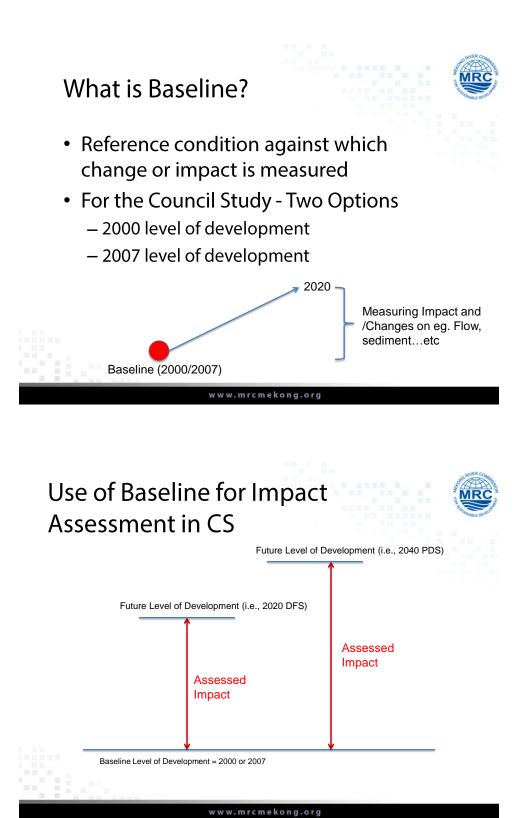
BACKGROUND

Objectives



• Present background and rational on the selection of baseline options (2000 vs. 2007)

- Present and discuss on the finding by modeling team to assist RTWG in the baseline selection
- Present next steps



Factors to Consider for Baseline Selection



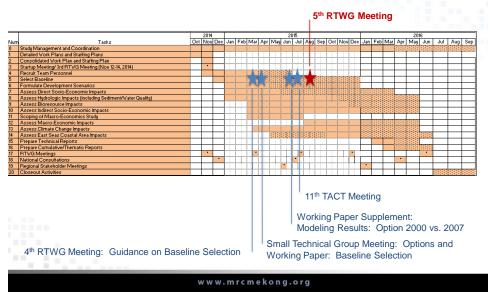
- Technical This was the focus of the analysis and discussions with the MCs
- Other Factors
 - Compatibility with work of Thematic Teams

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– Budget Available



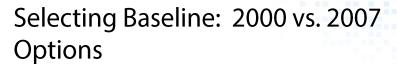






BASELINE OPTION 2000 VS 2007

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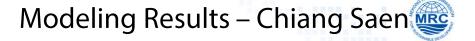
• IKMP setup and ran the DSF model using 1985-2008 hydrologic period and compare the results for two levels of development (2000 vs. 2007)

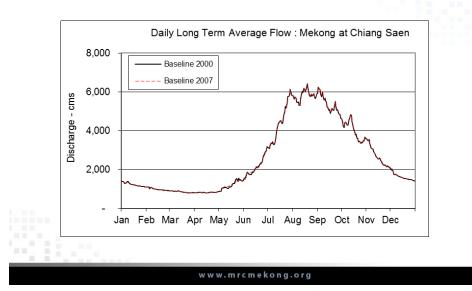
	Option 1: 2000 Level of Development	Option 2: 2007 Level of Development
Hydropower	2000 (includes one China Dam: Manwan Dam)	2007 (includes two China Dams: Manwan and Dachaoshan)
Irrigation	2000	2007
Domestic and Industrial Water Use	2000	2007
Land Use	2003	2003
	_	

Modeling Results



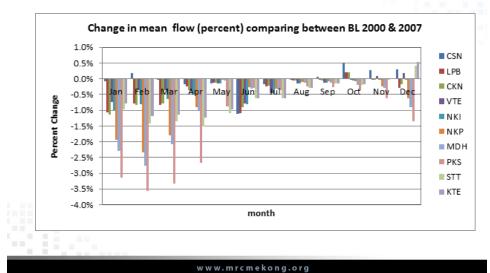
- Details of modeling results (flow only) were documented in the working paper (including supplement paper), and discussed during the small technical working group and the 11th TACT Meeting
- In summary: The difference in the <u>simulated</u> flows (i.e., hydrologic pattern) in the Mekong River between the 2000 and 2007 models is relatively small
- Conclusion: The results of the modeling analysis does not adequately distinguish the two options and therefore, the results <u>cannot be used solely</u> as the basis for selecting baseline







Modeling Results – Several Locations





Views from the Member Countries on the Baseline Selection



SUMMARY OF THE VIEWS OF MCS ON BASELINE SELECTION



Meeting	Cambodia	Lao PDR	Thailand	Vietnam	Conclusion
First small Technical group meeting on 21 Apr 2015, OSP	2007	2007	2000 but more analysis on the proposed 2007.	2007	Both options 2000 and 2007 is recommended , M will provide further clarification on eac option to TACT.
11 th IKM TACT meeting on 14 Jul 2015 at BKK	2007 with land cover 2010	Due to the concern of effect of flow change and observed data in China part	2000 due to the concerns of effect of the Chinese dam beyond 2000 on flow change	2007	Both options 2000 and 2007 is recommended by TACT to be discussed and considered by RTWG

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FACTORS TO BE CONSIDERED ON THE BASELINE SELECTION

It is necessary to Consider Other Factors



Results
✓ Flow pattern for 2000 and 2007 has relatively small difference, however year 2007 is closer to the recent date
?
?

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Factor: Compatibility with Thematic Teams



2000	2007
Not aligned with Thematic Teams task	Aligned with the Thematic Teams
of collecting data to support approved	task of collecting data for the
development scenarios (2007 EDS,	development scenarios.
2020 DFS, and 2040 PDS)	
If baseline 2000 is selected:	If baseline 2007 is selected:
Additional data collection for year	Current data collection by thematic
2000 is necessary by each Thematic	team can be used.
Teams.	

Factor: Available Budget



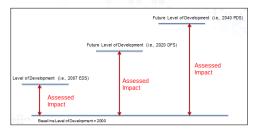
2000	2007
Involves higher level of effort and	Involves lower level of effort and
therefore NOT compatible with the	therefore compatible with the current
current budget constraints of the	budget constraints of the Council
Council Study. Additional Budget and	Study.
Effort by each thematic team are	
needed.	

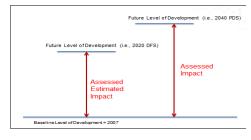
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Why Difference in Level of Effort



- Number of scenarios to be assessed and data collected
- Other Considerations
 - Modelling improvement efforts (including DSF/eWater Source for sediment and water quality and WUP-FIN) is on 2007
 - Baseline data (ecosystem, socio-economic, sediment, water quality) for 2007 are more available than 2000 because of recent additional data collected (e.g., SIM/VA).



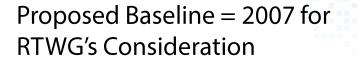


8/21/2015



PROPOSED BASELINE FOR FURTHER CONSIDERATION AND DECISION

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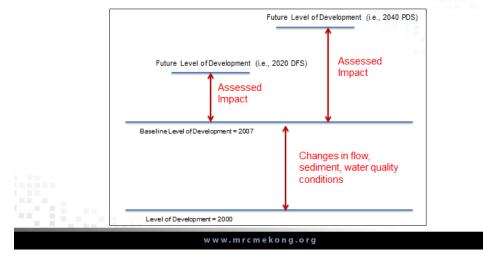


- Option 2007 is more preferable than option 2000. because of :
- 1. Flow patterns are relatively small differences
- 2. This baseline is close to the recent situation for a better assessment of the impact.
- 3. It fits very well with the current level of effort, time and budget for each thematic team.
- Therefore, Secretariat Council Study Team is recommending to the MCs to select <u>option 2007</u>

Additional Analysis (2000 vs. 2007)



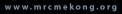
• Modeling of flow, sediment, and water quality using 2000 option will be conducted to fully understand the changes during this period and address concerns of MCs



Next Steps (Remainder of 2015)



- The choice of baseline will allow the Modeling Team to fully focus on the following next steps:
 - Complete setup/calibrate/validate the full suite of models for the Council Study (DSF, WUP-FIN, eWater Source)
 - Work with thematic teams to incorporate 2007 infrastructure data on 2007 baseline model
 - Simulate Baseline Conditions
 - Prepare Technical Report on Baseline Conditions



Next Steps (Remainder of 2015)



- However, If baseline is not selected, Then
 - Modeling Team will require guidance from MCs on what additional analysis needed to assist MCs in selecting baseline
 - In addition, modeling team will begin modeling the conditions associated with one of the approved development scenarios: Early Development 2007

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The RTWG is specifically requested to:



- Take note on the progress of the work on baseline options, findings, and proposed options and provide guidance on next steps for the implementation of modeling work particularly on baseline related work
- Agree on the baseline for the Council Study between option 2000 and 2007

