

# **Mekong Hydro Project Management**

**by**

**Dr. Subin Pinkayan**

**The Sixth GMSARN International Conference 2011**

**Nongkhai, Thailand**

**28-30 March 2012**

---

# 1. Hydrology of Mekong River

	Countries	Length (km)	Catchment Area (sq.km)	Flow	
				MCM	(%)
Upper Basin (Lancang)	China, Burma	2,200	189,000	82,260	18
Lower Basin	Laos PDR, Thailand Cambodia, Vietnam	2,600	606,000	374,740	82
Mekong / Lancang	China, Burma Laos PDR, Thailand Cambodia, Vietnam	4,800	795,000	457,000	100

**source: MRC Overview of the Hydrology of the Mekong Basin, November 2005**

## 2. History of Mekong Hydro Management

---

Mekong River Committee

Lower Mekong River Committee

Mekong River Commission

# 3. Mekong Multipurposes Hydro Project Management

---

Hydropower

Irrigation

Flood Control

Navigation

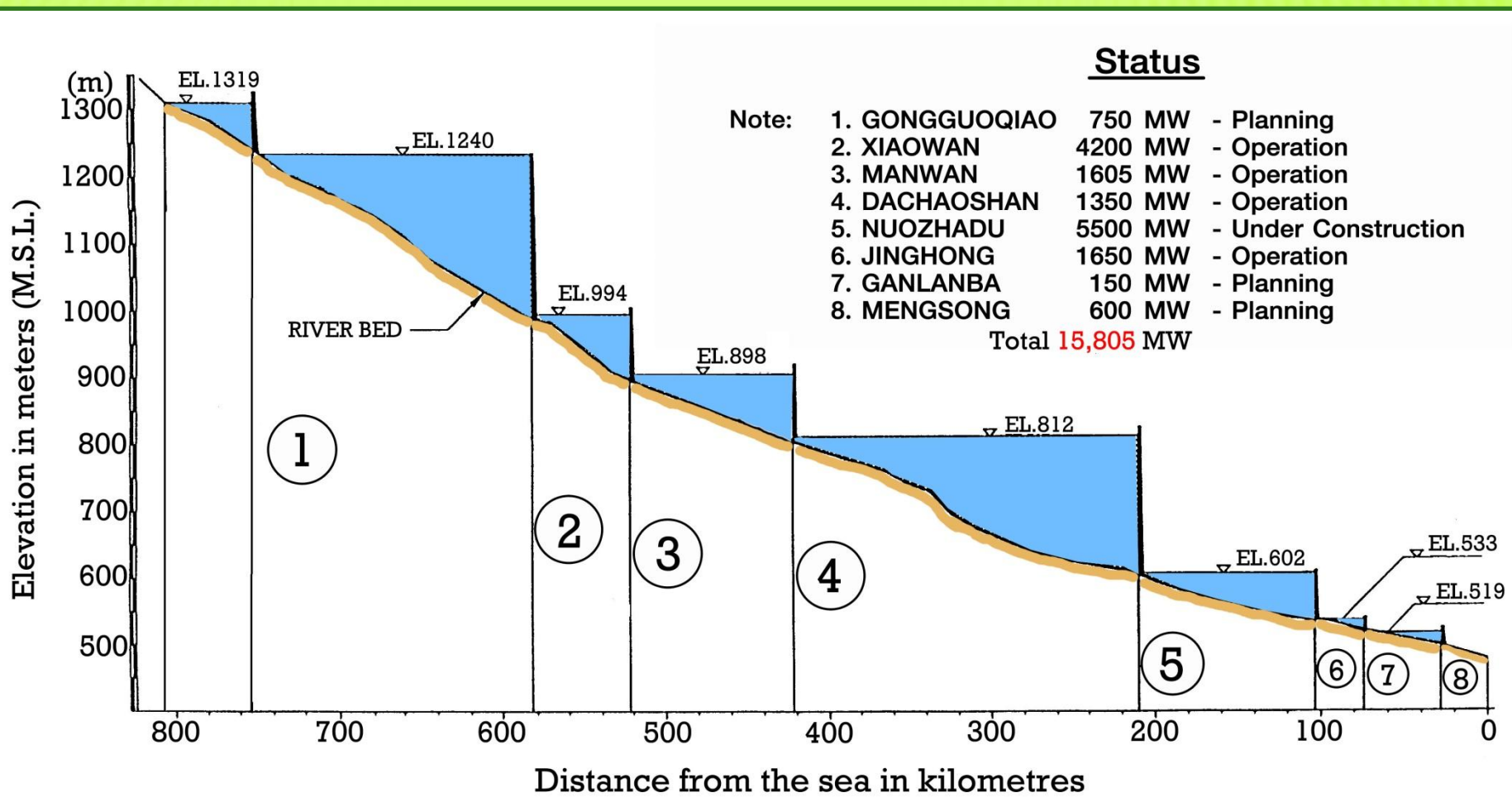
Saltwater Intrusion

## 4. Exploitable Hydropower in GMS

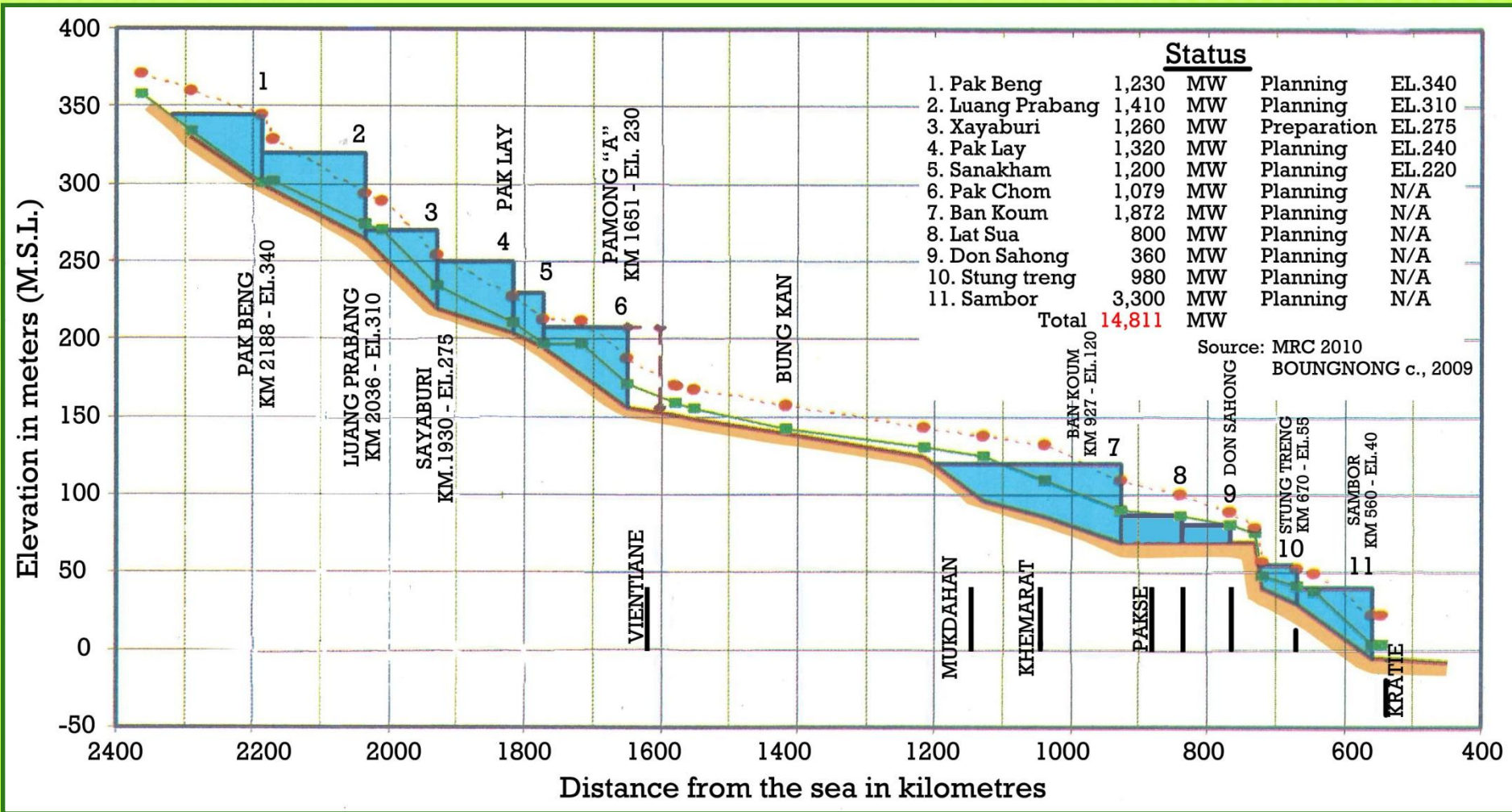
Unit: MW

Country	Mekong Mainstream	Mekong Tributaries	Outside Mekong Basin	Total
Lao PDR	9,250	10,792	-	20,042
Thailand	-	-	-	7,007
Cambodia	6,500	1,100	1,000	8,600
Vietnam	-	-	-	7,483
Lower Mekong	-	-	-	43,132
Upper Mekong / Lancang Yunnan (China)	22,240	-	-	22,240
Lancang/Mekong	-	-	-	65,372

# 5. Hydropower Development in Upper Mekong / Lancang, Yunnan, China



# 6. Hydropower Development in Lower Mekong



## **7. Some comments concern about Upper Mekong Development**

---

Navigation

Dryseason Flows

Saltwater Intrusion

Fishery