

**NONG SLIK WEIR RETIFICATION PROJECT
LAMPHOON PROVINCE, , THAILAND**

Weirs, Culverts and Transverse Structures

Problem

The objective of weirs is to reduce the attitude of the river to transport sediment material downstream, protecting at the same time river flanks. This attitude is achieved by reducing longitudinal river slope through backfilling.

Solution

Comparing all available solutions, Maccaferri Gabions and Reno Mattresses solution has the following advantages:

- Permeability • Flexibility • Ease of installation • Ease of maintenance • Environmental footprint).friendliness (greening and low carbon The following products were used in order to construct the 3m height weir:

Galmac Gabion 2x1x0.5 27,382 m3 Galmac Gabion 2x1x1 440 m3 Galmac Reno Mattress 2x1x0.3 2,173.20 m2 The productivity rate was equal to 0-50 m3 per man per day.

Client: Tipakorn CO., Ltd.

Designer / Consultant: NA

Contractor: Mr.Kitchai

Products used (Qty.)

- Gabion 27,228 m3
- Reno Mattress 2,173.20 m2

Date of construction: 03/2007 - 03/2007



During construction (1)



During construction (2)



During construction (3)



During construction (4)



During construction (5)