

UNIVERSITY OF ESWATINI
DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL SCIENCE AND
PLANNING

FINAL EXAMINATION, AUGUST (JUNE), 2020

MSc

TITLE OF PAPER : ENVIRONMENTAL GEOMORPHOLOGY

COURSE NUMBER : GEP606

TIME ALLOWED : THREE (3) HOURS

INSRUCTIONS : ANSWER TWO QUESTIONS: ONE FROM EACH SECTION

MARK ALLOCATION : EACH QUESTION CARRIES FIFTY (50) MARKS

THIS QUESTION PAPER IS NOT TO BE OPENED UNTIL PERMISSION HAS BEEN GIVEN BY THE INVIGILATOR

GEP606: ENVIRONMENTAL GEOMORPHOLOGY – AUGUST (JUNE), 2020

SECTION A: ANSWER ANY ONE QUESTION

QUESTION 1

By citing case studies from *at least TWO* different geomorphic environments, discuss the role of the Applied Environmental Geomorphologist in present-day environmental management. **(50 Marks)**

QUESTION 2

Discuss the role of process studies in understanding landscape management. Draw on examples from **either** the mining of fluvial sand **or** examples of soil erosion and land degradation. **(50 Marks)**

SECTION B: ANSWER ANY ONE QUESTION

QUESTION 3

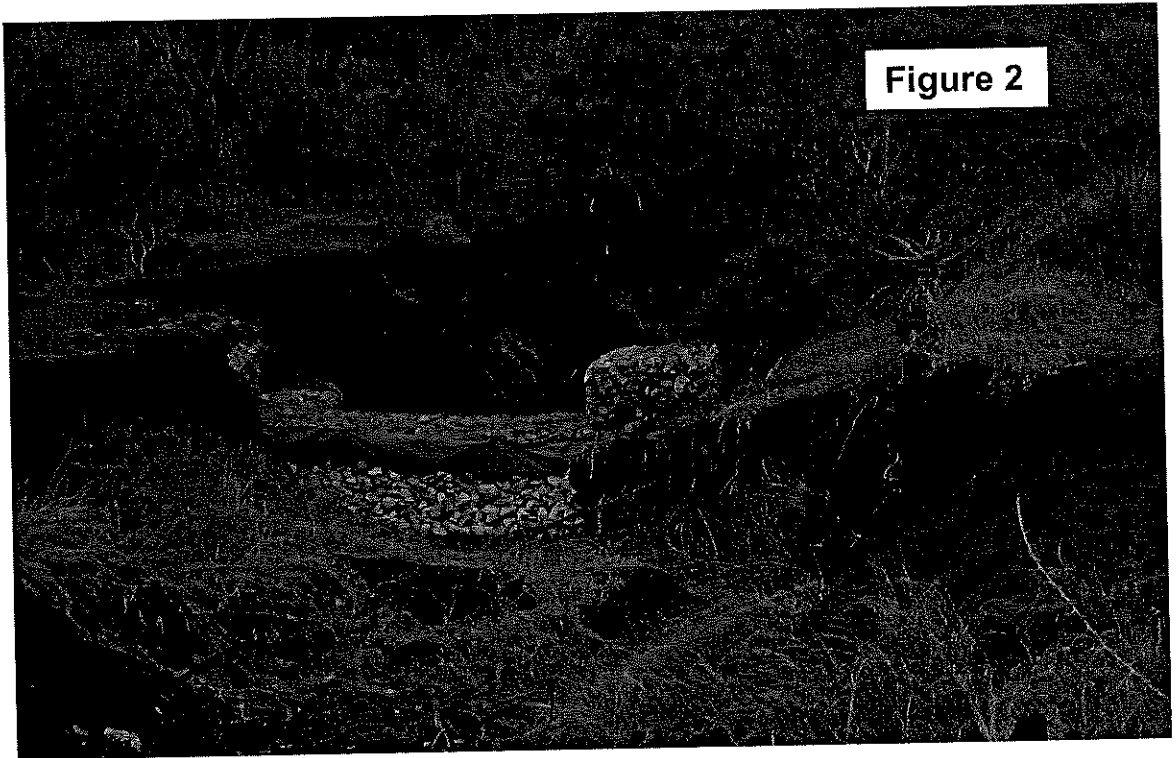
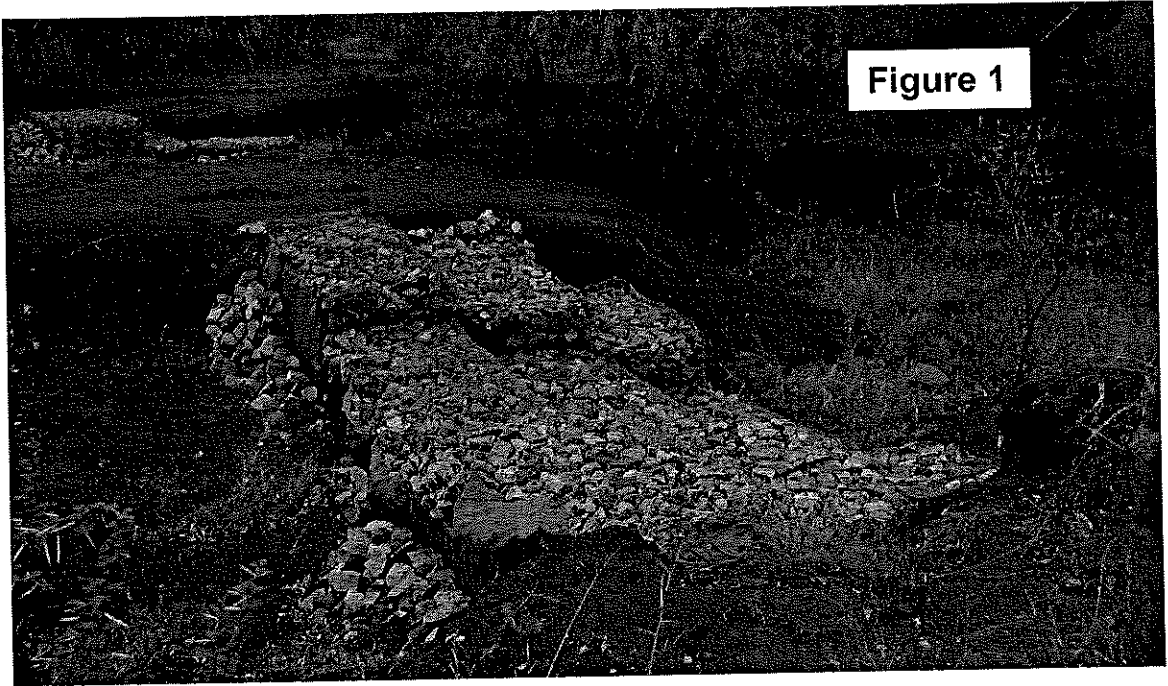
Using either coastal or fluvial systems, critically review the contention that Geomorphology as a discipline within the Environmental Sciences has only 'come of age' through the application of the theoretical knowledge to real-world problems. **(50 Marks)**

QUESTION 4

The approach used in finding solutions to applied geomorphic problems is broadly similar, irrespective of the specific environmental setting. Discuss this contention by citing suitable examples. **(50 Marks)**

QUESTION 5

Study the photos on page 3, showing rehabilitation at Nceka, Eswatini. Outline the following: i) the principles that should be followed when constructing a gabion as a rehabilitation measure, and ii) present a detailed **critique** of the work illustrated in the photos. **(50 Marks)**



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