

## Winter School at UACEG

## Topic: Hydraulic structures. Dams and reservoirs

Task for Students #5:

Bottom outlet capacity calculations and stilling basin design

Explanations and Example

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**University of Nis** 



Strengthening of master curricula in water resources management for the Western Balkans HEIs and stakeholders Exercise #4

Input data: Hmax=50 m

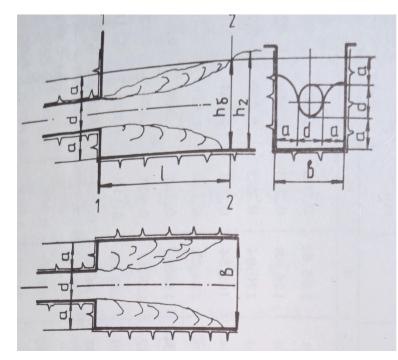
1) d=2 m

 $Q_{max} = \mu.F.\sqrt{2.g.H_{max}}$ 

**∭=0,75** 

2) drow a rating curve

3) define the parameters of its stilling basin



$$l = (9,60 \div 13,40) a;$$
  
 $b = d + 2a;$   
 $h_6 = d + 2a.$ 

**a** = **3** 

