19) Volence = 1 cm × A = 0.01 m × A = 182 m3/5 x of of = 6 × 3600 5 A = 182 x 6 x 3600 = 3931 × 106 m2 = 393.1 Km2

> Remote due le 2 main à 2 x 94 Reinff care to 3 cm very & 3 x 4H logged.

Total undt 's the seem . Only ecoleraly creened pook to get pook t UH DRUI DRUZ TOTAL

6

12 30.9 61.8

85-6 171.2 92.7 263.9 18

41.8 83.6 256.8 340.4 PEAK

14.6 29.2 125.4 154.6 30

Peak rung is 340.4 mils

c) Total nenoll column = 5 cm x socre = 0.05 × 393.1×106 = 19.655 × 106 m

Over Aux = 10 × 10 m2

Depth = 19.655 = 1.97 m

This is change in capels in the reservoir

6)

Zq) $T_{Sr} = -7.271$ OR ON SCOPE 12 -6-178 = 5.822 12-7.271= 4.729 = 4:43:44 0- 5:49 Scir 18152 or 4:44 am 159 = 7.271 = 7 = 16 pm AZIMUTH OF SCOPE DIFFECTION 12 Scope MADRITUDE c) 1= 0.6458 mod 8 = 0.4091 000 of non wf = 0 Egcolen Kg GO = Sin A sin 8 + GO & GO A GO WY 0 = 0.2367 rod = 6,9721 (s) A = (sin 8 - sin 1 G 0) (G) & sin (0)

= -0.9999 2 -1

: A = -TT = -180 - Peokes seem of your

(G) 2 = G) @ G/B + Min O Min B (A- d)

A = - 1T

a = 4-1888

0=0,2367

B = 0.2094

: 67 = 0.9753

Close to 1 now key serve

E0 = 0.967

KET = 1367 x 0,975 3 >0,967

= 1289 wm-2

This Cas not occur Bu classplenis

From spaces Colered $K_{C9}/K_{e4} = \frac{29.334}{41.747} = 0.7027$

kg = 1289 -0.7027

= 905.9 w m⁻²

This is non solar unlossity on regging

d) 12 = a 1 D+8 Rn

D = 2508.3 2 ap (17.3 T)

of T = 20 C 0 = 0.1454 EAK

X = 0,622 /c

X= 2.5-2.36x10 T = 2.453 MT/69

STALDILER No. 93/811E

1210 2 95 May 10 kps 0.622 * 2.453 = 0.06226 · 648 = 0.700Z x = 1,26 for humino and For Hangan Col Rn = 29.334 MT m (Gy) E = 1000 +2.453 MT mi 2 clay -1 19 m-3 HT 197 = 10.55 × 103 m/day - 10.55 mar/ clay For stopping Rn = 28.860 MJ m2 (Gg 13 = 10.38 mm/deg e) of non 55°'
Rn = 905.9 ye m × 3600 × 24 5/demy × 10 HJ/5 78-27+ MJ W Ley 1= 28-2 × 10 m dey -) - 28.2 mm/ day

The ecoportain on a stoping sentence is

Cers cleve to they rectarten Doing less.

The instantoneous rectarting them care to accord the according less of noon are beington them clevely after the instances, show they refler to an instanceous pote of noon.

on regles

$$3 - 1 = 0$$
 $9 = \frac{A}{b} = \frac{250 \times b}{b} = \frac{350 \text{ m}}{5}$

b) Wetness incGe
$$\lambda = ln \frac{9}{5}$$

 $5 = ln (5) = 0.08749$
 $\lambda = ln \frac{250}{0.08749}$

$$A = b \approx a = A/6 = \approx a$$

$$Hae = \frac{Gb}{A} = \frac{1.5 \times 10^{2} \text{ m}^{3}/\text{s}}{10^{6} \text{ m}^{2}}$$

$$= 1.5 \times 10^{-8} \text{ m} \text{ s}^{-1}$$

Fer 0 = 0

en ? = lu To - lu r

= la 0.2 - la 5.4×10-5

= 8.217

Soluted Br lu 9 > 8-217

e lese votros inter franctions to determing or where solenoted. On the let

en = 8.217

=7 × = 324 m

on the right

en 2 = 8.217 0.1763

=7 20 = 653 m

50 from

x = 324 fo x = 500 m is safecoten!

No sofunation 05 x > 500m.

SATURATED ARKA STOOT UM

BE ROAR

Rundle generated of
$$P_{5}$$

 $0.05 - 0.0259 = 0.0241 \text{ m}$
 $= 2.41 \text{ cm}$