J. H. MURDOUGH ASCE STUDENT CHAPTER	COURSE	SHEET
1. \$ Giver: Rivertas.	Q = 1500m3/1, Q = 750 m3/sec	. Un. from chan

Find: Find vate of change of water sustance charaction in the . Pusy? Falling? 24 + DQ =0 Q = 250 = 3. $\frac{\partial A}{\partial t} = -\frac{\partial A}{\partial x}$ 34 = 3(34) = 1937 = - 3x $\frac{\partial y}{\partial t} = -\frac{1}{b} \frac{\partial u}{\partial x} = -\frac{1}{b} \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x}$ $= -\frac{1}{b} \frac{\partial u}{\partial x} - \frac{1}{b} \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x}$ $= -\frac{1}{b} \frac{\partial u}{\partial x} - \frac{1}{b} \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x}$ $= -\frac{1}{b} \frac{\partial u}{\partial x} - \frac{1}{b} \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x}$ $= -\frac{1}{b} \frac{\partial u}{\partial x} - \frac{1}{b} \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x}$ $= -\frac{1}{b} \frac{\partial u}{\partial x} - \frac{1}{b} \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x}$ $= -\frac{1}{b} \frac{\partial u}{\partial x} - \frac{1}{b} \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x}$ $= -\frac{1}{b} \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x}$ $= -\frac{1}{b} \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x}$ $= -\frac{1}{b} \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x}$ $= -\frac{1}{b} \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x}$ $= -\frac{1}{b} \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x}$ $= -\frac{1}{b} \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x}$ $= -\frac{1}{b} \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x}$ $= -\frac{1}{b} \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x}$ $= -\frac{1}{b} \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x}$ $= -\frac{1}{b} \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x}$ $= -\frac{1}{b} \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x}$ $= -\frac{1}{b} \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x}$ $= -\frac{1}{b} \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x}$ $= -\frac{1}{b} \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x}$ $= -\frac{1}{b} \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x}$ $= -\frac{1}{b} \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x} - \frac{\partial u}{\partial x}$ $= -\frac{1}{b} \frac{\partial u}{\partial x} - \frac{\partial$

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CE STUDENT CHAPTER	7-15 Tec	COURSE	SHEET OF
	drainest divide t	ot. Sloped free length of inlet grate, 30m m. Dotentia strage and 6 grate in 113/11	ilde. Ila-talle
1	P= 10 cm/h	Water Budget for IP-0= }	
	$\frac{\Delta S}{\Delta t} = 60 \text{ n} \text{ m}$	PA - Rysette =	at at
	III grate	= (loca)(30-) (100 m/1 m) - 60 h3
1= 30n-		= 300-60	2 m ³
		Rgrate = 240 m3	

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	-11 'tas 10'				
4 Problem 19 6	iver : Symmetri	ic Companie	annel as	shown	
7	Fund: Q				
and the second s					
	1	***************************************			
105m V	:0378 Y2=15 32	Y3=0.3%	105m		
300		Y3=0376	7		
= -	1-30m	2/			
$\alpha = \frac{1}{2}$	³ 44 ⁵ A				
Vs	5 A				
2	13 2 dA				
	1, Edti				
A. = 0,50	300m)=150m =	A			
	0.5-			30+35-70	
	25-6	A= (55~	20.5~)+(30+35m) 2.5	7
+25x=14	-30X-A	Az = 98.75	7.2		
	2.5~	t m-			
Prote	1 - Z Vsi Ai	F			1 -
	= (0,5 1/20)	150m²) + (1.57	11) (98.75m2)	+(03 %)(12)~2)
	= 238m3/su				
	= OTOTAL =	238 nº lecc			
15	ZAA:	2(1,50~3)+48.73			
Υ,	= 0.597 ~ lsec				
-	2/03 4/150	m2 +1.54,3	(88.75 m2)		
d	= Z(0.3 4× 150	1413(3587542	1		
[d	- 4.02				
13	11021		220		
			4		
			1	1 1	

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ASCE STUDENT CHAPTER	ALTE TEE	COURSE	SHEET OF _
SIEZ. J awei.	Retulgolan K-Se	din. 7, = loft, V,	= lotes. 4, =0
5.1.1	: Un 1 Atworkers 4	stace elevation) if A	2=1ft
	i) Mark AZe to (prevent choking	
(1)		11 + V12 = Y2+	12 + 42 2c + 42
41= 104	12=3		
	\$ 126	7,+ 20(2)3= 7	2+ 25/642 + Di
	22		•
	Q= V 159	= V2/2 Since b1=	
92	Q= V4=V,4:	= V2/2 Since 51 =	62
71+	2842 = 42+ 2	274	
G= V4	= (10+05) (10+t) =	100ft 3/s	
	002626 2	(10042/s	2
hoft)+ (10046 15)	100 tegs = 42 + (100 tegs)	2)42
154	+ 1.55 ft = 42+	1 33 + 1 te	
	42+ 155:3 - 10:55	0-2	
725	+10.5512 + 042 +1	55.3=0	
1100	1 (2010 Carlin)	Excel roots Bize	for 560ft -3 24
0 320	1 1 2 2		19 =010 / 53 (
	Chick of US	Ye, F	77/2
Y 1 1 +	Te = 19	4c 1/3 = (100 /2/5=	5)- 13
	[8	32.2/6/	ec]
8 8	Y = 6.77	fo 64, 504, 18	subcritice
	101	alea en la baro	7. 2 7.7
	-> /E	also such trees	
	7/42	= 8.29/4	
1.50			
	AWS = 4,	-(Y2+AZ)	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- (B.24/++1ft)	
	* 917% km * 1 1 1 3 1	-(0,417 7174)	
	4WS = 0.71.	It !	
4 4 %	17 17	u j	177
		- 13	



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ASCE STUDENT CHAPTER	COURSE	OFOF
(ii) Choking begins when 4, + \frac{9^2}{254,2} = AZe = 11.55f6 (i)	1 42 = 42 = 4, to	rect, 6=constan
4, + 92 =	72+ 92 - + 42	
-571	- Glar	14, 12
17 = 11.55ft	- 6.77ft + 2(372.	42 76,T7-6
		50 J
= 11.55ft -	10.167	
Ate = 1039 ft		

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4(2.2]	غراند:	Rectangular 2	ntraction	= 10 fa, 1	V = 10+ps	9-te-0	
1	Fild:	(i) 42 &	. Dws to	m 1+0	2		
		(i) b?	to prevent	tchoki	3		-
Cis	41 -	- 28(PA)	= 42+	28(642)		1	
	11.		(10 fee) (1al		COL O. C. THEOLOGY		
	40fz	+ (1000cfs) 2132.2ft/12	2 D[loft](lott)	= 42+	21322ty/32/	(aft) 42 2	
			42+ 191.				
	423-	-11.55422 4	191.7 = 0	17 1	51 17	1 4 1	2 21
	Roots	-bytral 4 +9,36-ft, +	5.75 ft - 3	ver in en	luistor		
			Shoutien		nertical 6	2 4.	
		1c. = (32)	3				
		9= 0 = = = = = = = = = = = = = = = = = =	(1614) =) (wfg) = 1	Y. 41			11/2016
			U 1 004 I U 15				1.4.
	4	1c, = 1(100	4676)2 1/3 2-fe/s- 3	= 6.77+	(2.11	** () (2)
		7, > 74,	50 sobers	Ti'cal	1	4.66	
			+ 1 / 1	7-1-1			
	I A	ws = 14, -	-42 = 10fz	-9.36A			414
		LWS= 0.64	4				
	TH			1-1-1-1			Tey H
					This is		4 4 4.
							*
							1

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ASOE STODE	TI CHAFTER .	13 1				
Cis	42= 4	c at 5th	n+ ot cho	لاسبر		
				0		
	4 -	19273	0 = 9	, by unknow		
1111	15 5	LXJ	1,11	1 35 menos	77	
			52	Heal Production		
	t 1=	E2 = E2	At I hokin	<		
		1-48 - 1	(0)	1 1 2 1		
	4. 4 6	2 = 9	Committee of	= Ye + Q	3	
	2	x 32 4 7 7	2 2 62 75	72	5272	
		See 1. 24 1. 14 4		No. 14 Process of the contract	-	
	Toples	26 4		22 = Y2 -	92	
This was	1	- C = tuin	1/c + 7	12 = Y -	+ -12	
This		L TG	2700	225.0	870	
1 4/1		7c= (92	- (3			
4041	14		9		3	
ulso		10 2 - 9.	2 - 1	= 40+ 2	1 - 3	
7000		ال الما	= = =	- CT 2	16 2 7	4
1 1	11 1		7	1 制造品发表	3 15, 20	
	111	40 U	2. E. = .	3 E at ch	25 600 11	and love
F 1 +	215-1		43-17	3-11-00	of his	G artif and?
1 1 1		11 //	77. 1771年		4-	- + K - I
	- 51	= 1155-14	trom bar	F (1)		
\$ 10 P	1 10		3			10 10
	- 1 1-1	155ft =	6 = -	2 76		
		C2 -	0	1		
		Ye=	1.7014			2.0
4 1 1		Now sowe	try 52 i	~ G_=======		
			74	10-1-1-1-1		
		11.55ft=	7.70ft +	21727-4/34)66	20/7.70402	
1 指 正常				S13-1-11/1-)00	2	
1 1 1 1		3059	= 261.9			
			62			
1. 写情书	1-11-1-		[3,85] /2		-1-1-1-1	
4 4	1 1-1-	32	13/82 9		4 1 1 1 1 1 1	
	11 1 1 1 1 1	/	8.25tt		1-+	8 8 "
8-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		62	= 0.6210			
						14 11
I Y T						
9 1 4						
T						7.7
4		华丰中				(S. 11)
		b -		-		
	1	+				

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