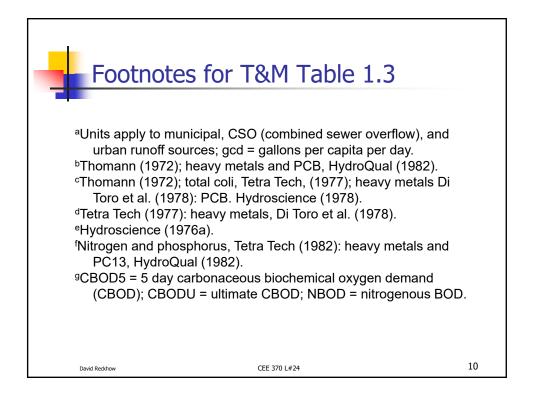
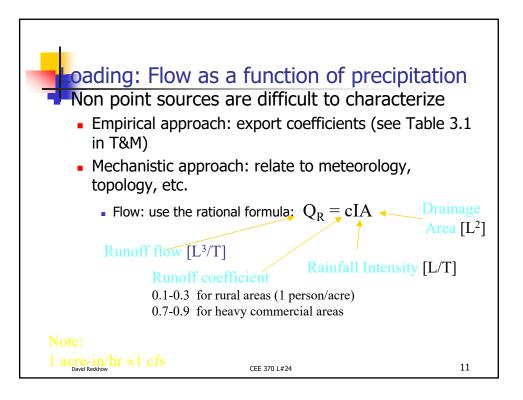
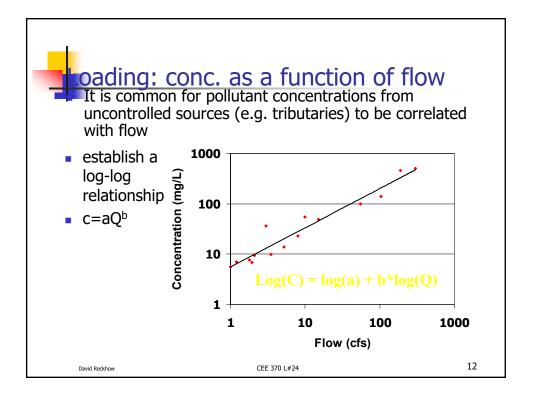
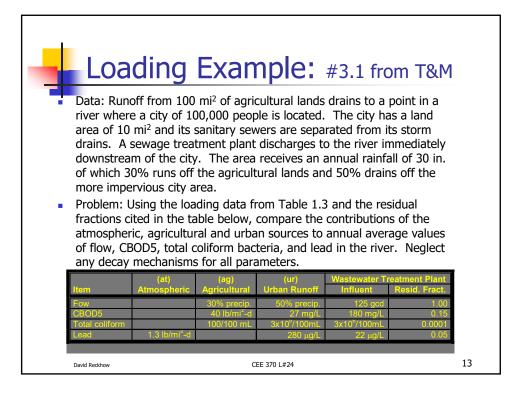


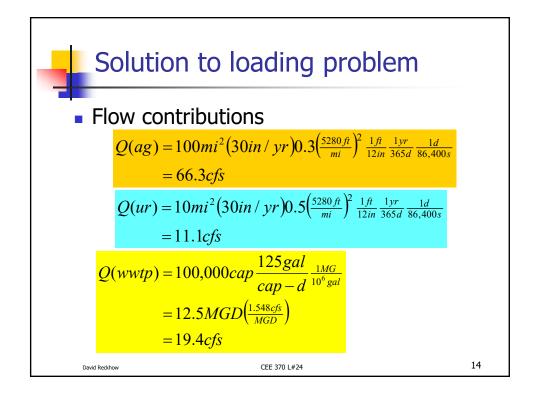
Parameters In The United States (Table 1.3 from Thomann & Mueller								
Variable	Units ^a	Municipal Influent ^b	CSO°	Urban Runoff ^d	Agriculture (lb/mi ² -d) ^e	Forest (lb/mi²-d) ^e	Atmosphere (lb/mi²-day) ^f	
Average daily flow	gcd	125						
Total suspended solids	mg/L	300	410	610	2500	400		
CBOD5 ⁹	mg/L	180	170	27	40	8		
CBODU ^g	mg/L	220	240					
NBOD ^g	mg/L	220	290					
Total nitrogen	mg-N/L	50	9	2.3	15	4	8.9-18.9	
Total phosphorus	mg-P/L	10	3	0.5	1.0	0.3	0.13-1.3	
Total coliforms	10 [°] /100 mL	30	6	0.3				
Cadmium	μg/L	1.2	10	13			0.015	
Lead	μg/L	22	190	280			1.3	
Chromium	μg/L	42	190	22			380.0	
Copper	μ g/L	159	460	110				
Zinc	μg/L	241	660	500			1.8	
Total PCB	μq/L	0.9	0.3	-			0.002-0.02	

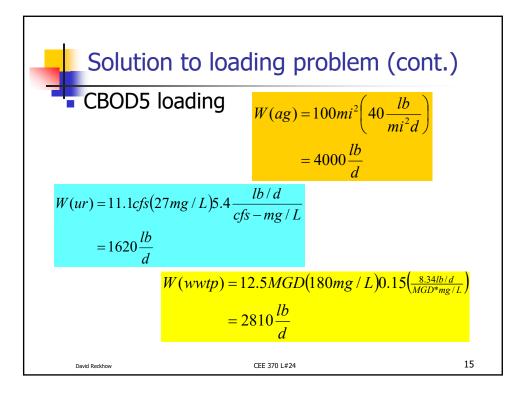


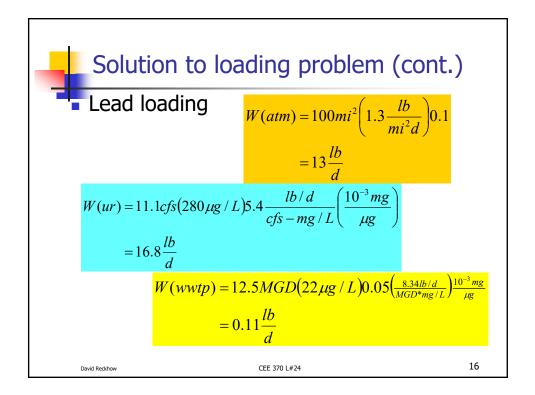


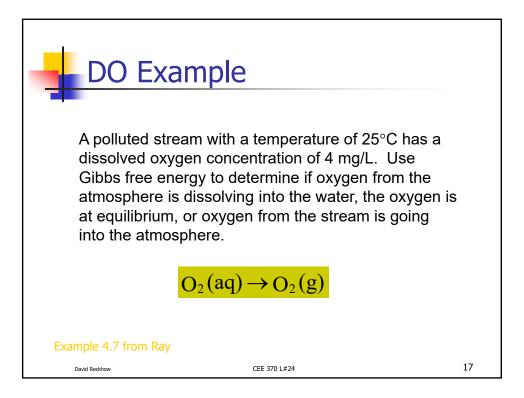


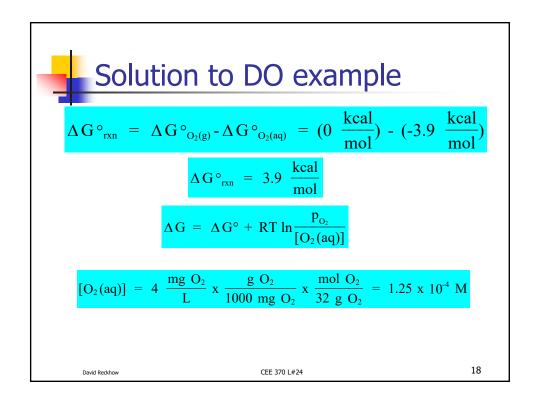


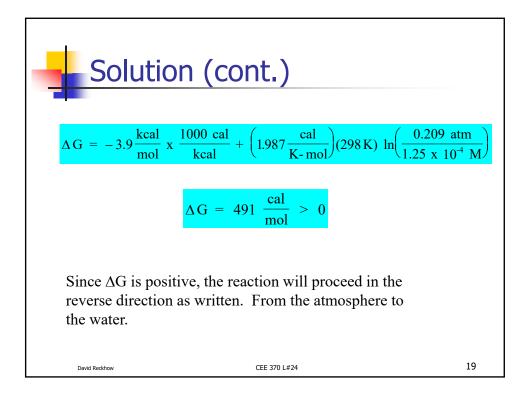


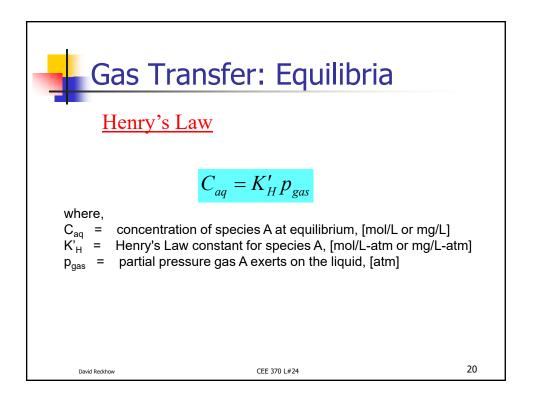




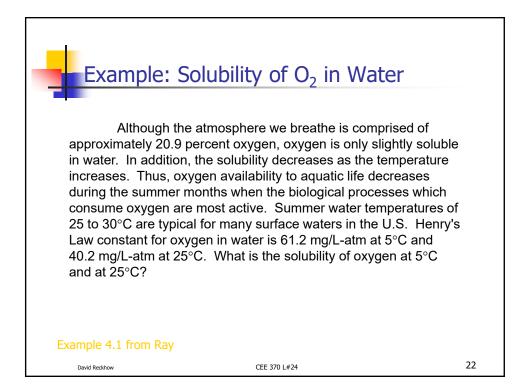


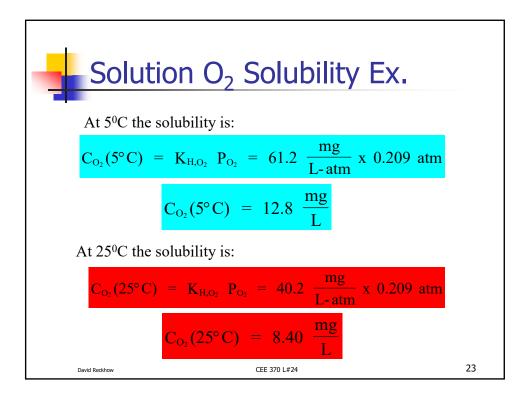


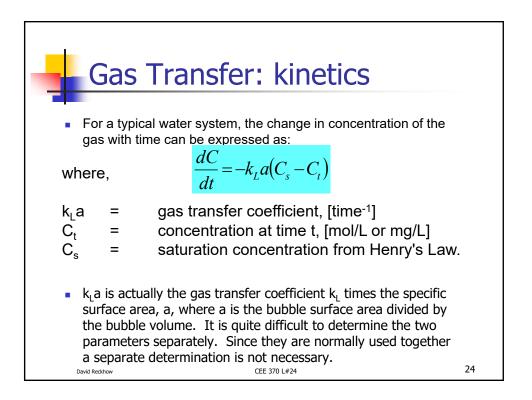


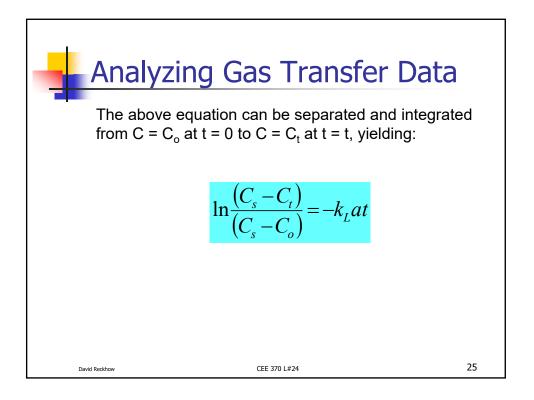


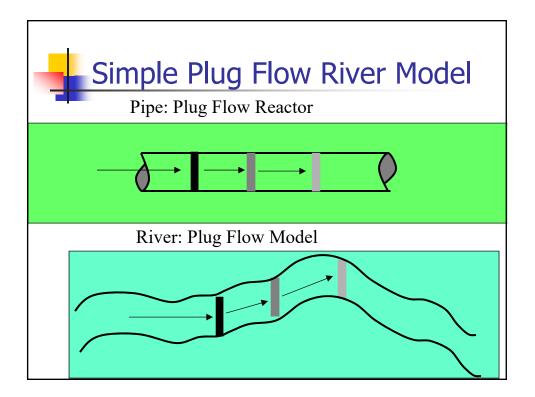
He	enry's Lav	v Con	stants	
	Reaction	Name	K _h , mol/L-atm	$pK_h = -log K_h$
	$CO_2(g) = CO_2(aq)$	Carbon dioxide	3.41 x 10 ⁻²	1.47
	$NH_3(g) = NH_3(aq)$	Ammonia	57.6	-1.76
	$H_2S(g) = H_2S(aq)$	Hydrogen sulfide	1.02 x 10 ⁻¹	0.99
	$CH_4(g) = CH_4(aq)$	Methane	1.50 x 10 ⁻³	2.82
	$O_2(g) = O_2(aq)$	Oxygen	1.26 x 10 ⁻³	2.90
David Reckhow		CEE 370 L#24		21

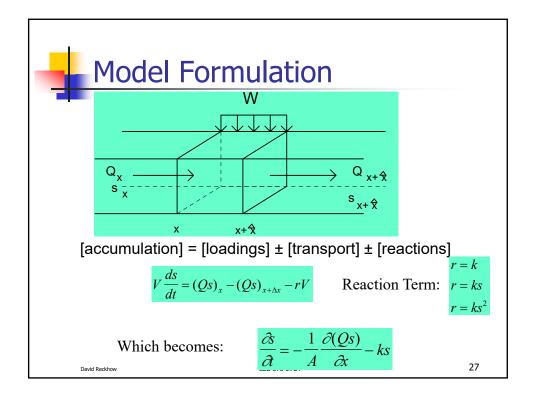


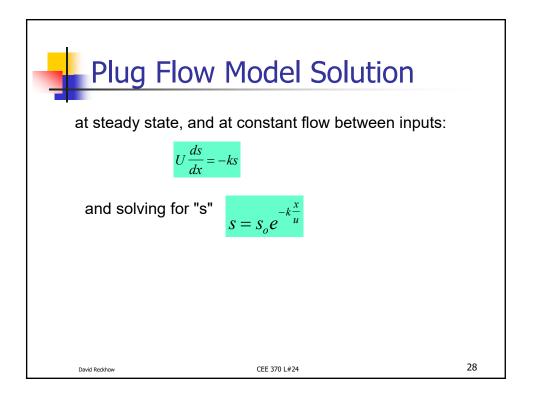


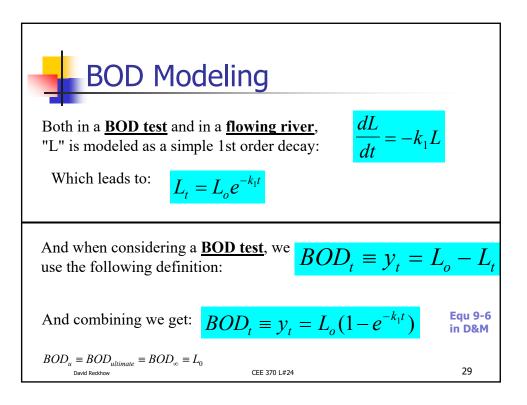


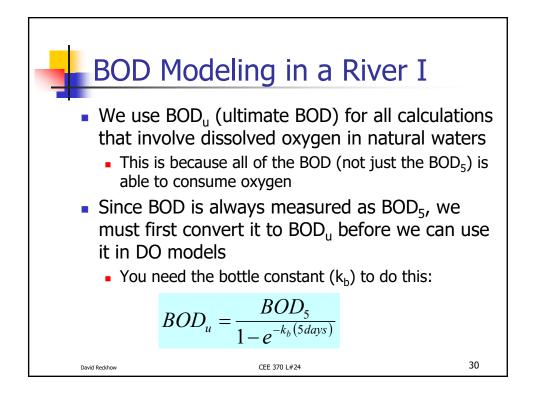


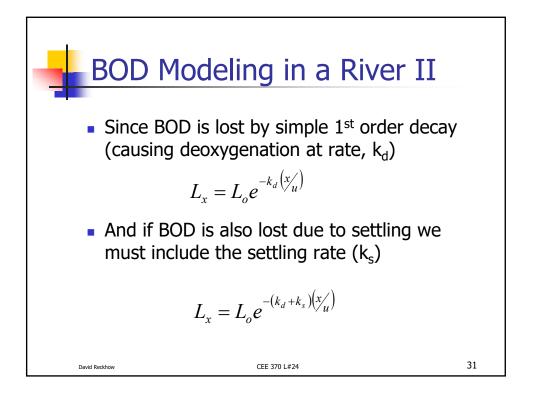


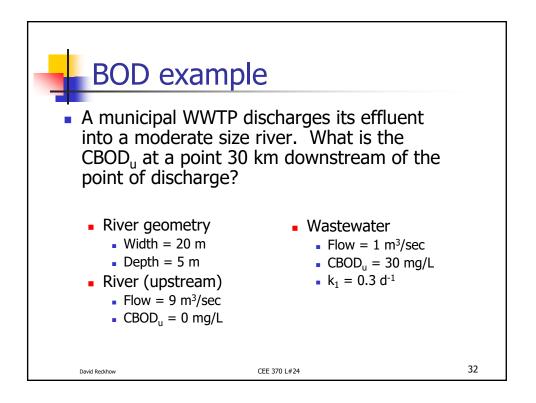


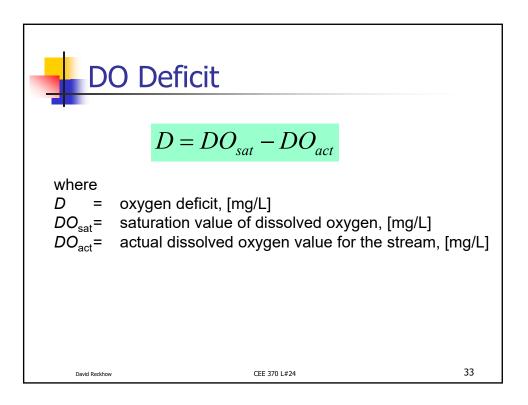


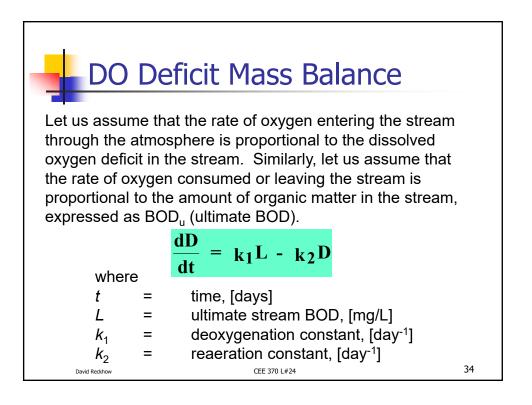


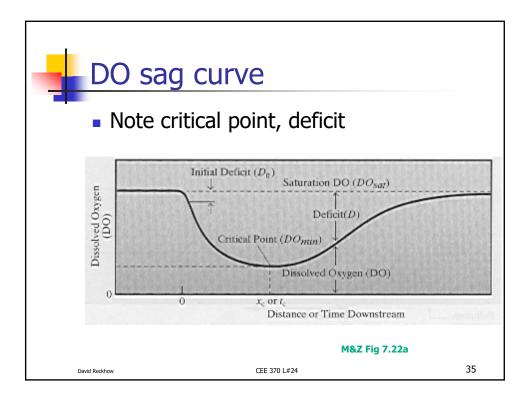












- Characteristics								
		<u> </u>	eam Zones					
	Clean Water	Degradation	Damage	Recovery	Clean Water			
Physical conditions	Clear water; no bottom sludge	Floating solids; bottom sludge	Turbid water; malodorous gases; bottom sludge	Turbid water; bottom sludge	Clear water; no bottom sludge			
Fish species	Cold or warm water game and forage fish; trout, bass,	Pollution- tolerant fish; carp. gar, buffalo	None	Pollution- tolerant fish; carp, gar, buffalo	Cold or warm water game and forage fish; trout, bass,			
Benthic invertebrate	clean water	intermediate tolerance	pollution tolerant	intermediate tolerance	clean water			

