	ASS	UMPTIONS
Conor	al Assumptions.	
1 million gallons is equal to	3.07	acre feet
e		
Current Discount Rate=	4.000%	
	0.04000	
Planning Horizon	50	
Annuity of PW (A=P)	0.047	
Present worth of future cost (P=F)	0.14	
Present worth of annutry (P=A)	21.48	
Sherma	an Assumptions	
EDR Daily O&M Cost	#NAME?	per kgal
Brine Disposal Cost	#NAME?	per kgal
Brine Average Reject Rate	#NAME?	
Donico	A scumptions	
Capital Cost of the 2 mgd add-on RO Process	#NAME?	one time
Date to Be Built	2040	
RO O&M Cost	#NAME?	per thousand gallons
2 MGD Water Treated	1121	acre feet/ yr
2 MGD Water Treated	#NAME?	mgd
TDS	Assumptions	
EPA TDS Limit	500	
Texas TDS Limit	1000	
ENR Index 2011	5041	(Average of January-September)
ENR Index 2001	3574	(Trefuge of summary september)
Undate Factor	1 41	
Without Project: % of time TDS is <1000	#NAME?	
With Project: % of time TDS is <1000	#NAME?	
Chlorie	de Assumptions	
Without Project: % of time Chloride is >300	59%	
With Project: % of time Chloride is >300	52%	
	DAMACE	COFFEICIENTS
	DAMAGE	COEFFICIENTS
Combined Municipal Damage Co	efficient	
Component	Cost (2001)	Average Annual Cost (2011)
Residential:		
Water Piping	\$22.55	\$31.81
Watewater Piping	\$12.54	\$17.69
Water Heaters	\$39.86	\$56.22
Faucets	\$48.35	\$68.20
Toilet Flushing Mechanisms	\$11.64	\$16.42
Garbage Disposals	\$10.96	\$15.46
Washing Equipment (Dishes & Clothes)	\$36.05	\$50.85
	0 <10	\$8.60
Cooking Utensils	\$6.10	\$6.00
Cooking Utensils Washable Fabrics(4 People @\$800/ea)	\$6.10 \$27.64	\$38.99

Subtotal Residential Damages	\$234.24	\$330.39
Public:		
Supply & Production Equipment	\$3.49	\$4.92
Distribution Piping	\$0.45	\$0.63
Storage Facilities	\$0.38	\$0.54
Utility Service Lines	\$0.28	\$0.39
Water Meters	\$0.25	\$0.35
Sewage Facilities	\$6.32	\$8.91
Subtotal Public Damages	\$11.17	\$15.75
Total Annual Damage Cost Differential	\$245.41	\$346.14
Damage Cost per 1000 Gallons (With Assumed 100,000		
Gallon Annual Usage)	\$2.45	\$3.46
Damages per 1,000 Gal per 100 mg/l TDS	\$0.16	#NAME?

Industrial Damage Coefficient

Table 1-10			
Industrial Damage Coefficient			
	(\$/1000 Gal/100 mg/l of TDS)		
Voor	END BCI	Indexed	Adjusted
Teal	ENR BCI	Coefficient	Coefficient
1967 (Avg.)	676	\$0.01	-
1980 (Jan.)	1895	\$0.04	-
1999 (Jan.)	3425	\$0.07	\$0.04
2000 (Jan.)	3503	\$0.07	\$0.04
2001 (Jan.)	3545	\$0.08	\$0.05
2011	5041		#NAME?

WATER PROJECTIONS

SHERMAN

		Projected Population	on and Dema
Values in Ac-Ft/Yr	2010	2020	2030
Projected Population	39300	44400	50600
Projected Water Demand			
Municipal Demand	10081	11240	12696
Manufacturing, Steam Electric, and Customer Demand	10949	12432	13973
Total Projected Demand	21030	23672	26669
Currently Available Water Supplies			
Trinity Aquifer	4083	4083	4083
Woodbine Aquifer	3463	3463	3463
Greater Texoma Utility Authority (Lake Texoma, Treated,			
limited by WTP)	8000	8000	8000
Greater Texoma Utility Authority (Lake Texoma, Raw)	5600	5600	5600
Total Current Supplies	21146	21146	21146
Need (Demand-Current Supply)	0	2526	5523
Water Management Stategies			
Water Conservation	67	217	333
Grayson County Water Supply Projects(WTP Expansions			
and water from GTUA)	0	5600	8400
Supplemental Wells	0	0	0
Total Water Management Strategies	67	5817	8733
Reserve (Shortage)	183	3291	3210
		Projected Population	on and Dema

Values in Mgd	2010	2020	2030
Projected Population	39300	44400	50600
Projected Water Demand			
Municipal Demand	9.00	10.03	11.33
Manufacturing, Steam Electric, and Customer Demand	9.77	11.09	12.47
Total Projected Demand	18.77	21.13	23.80
Currently Available Water Supplies	0.00	0.00	0.00
Trinity Aquifer	3.64	3.64	3.64
Woodbine Aquifer	3.09	3.09	3.09
Greater Texoma Utility Authority (Lake Texoma, Treated,			
limited by WTP)	#NAME?	7.14	7.14
Greater Texoma Utility Authority (Lake Texoma, Raw)	5.00	5.00	5.00
Total Current Supplies	18.87	18.87	18.87
Need (Demand-Current Supply)	0.00	2.25	4.93
Water Management Stategies	0.00	0.00	0.00
Water Conservation	0.06	0.19	0.30
Grayson County Water Supply Projects(WTP Expansions			
and water from GTUA)	0.00	5.00	7.50
Supplemental Wells	0.00	0.00	0.00
Total Water Management Strategies	0.06	5.19	7.79
Reserve (Shortage)	0.16	2.94	2.86

GTUA

Planned Supplies Ac Ft per Year	2010	2020	2030
Projected Demands	16,037	30,134	42,683
	Currently A	vailable Supplies	
Lake Texoma (Potable)	8,000	8,000	8,000
Usable Lake Texoma Raw	5600	5,600	5,600
Supply for Pottsboro (from Denison)	560	560	560
Collin Grayson Municipal Alliance Pipeline Project	1,928	5,400	5,400
Potable Water Available	10,488	13,960	13,960
Currently Available Supplies	16,088	19,560	19,560
Need (demand-Supply)	0	10,574	23,123
	Water Mana	gement Strategies	
Conservation (Wholesale Customers)	68	592	1,271
Lake Texoma Pump Station	0	0	0
Additional SEP Supply (Raw)	0	6,726	6,726
Grayson County Water Supply Project (more potable)	200	7,560	10,920
More NTMWD (Current Facilities)	65	0	0
CGMA East-West Pipeline	0	3,255	8,614
Parallel CGMA Pipeline (NTMWD)	0	0	0
Supplies from Strategies	333	18,133	27,531
Total Supplies	16,421	37,693	47,091
Total Potable Supplies	10,821	25,367	34,765
Reserve or (Shortage)	384	7,559	4,408
TOTAL	8,353	29,101	37,820

Planned Supplies MGD	2010	2020	2030
Projected Demands	16,037	30,134	42,683
	Currently	Available Supplies	
Lake Texoma (Potable)	7.1	7.1	7.1
Usable Lake Texoma Raw	5.0	5.0	5.0
Supply for Pottsboro (from Denison)	0.5	0.5	0.5

GTUA TOTAL	#NAME?	#NAME?	#NAME?
Reserve or (Shortage)	0.3	6.7	3.9
Total Potable Supplies	9.7	22.6	31.0
Total Supplies	14.7	33.6	42.0
Supplies from Strategies	0.3	16.2	24.6
Parallel CGMA Pipeline (NTMWD)	0.0	0.0	0.0
CGMA East-West Pipeline	0.0	2.9	7.7
More NTMWD (Current Facilities)	0.1	0.0	0.0
Grayson County Water Supply Project (more potable)	0.2	6.7	9.7
Additional SEP Supply (Raw)	0.0	6.0	6.0
Lake Texoma Pump Station	0.0	0.0	0.0
Conservation (Wholesale Customers)	0.1	0.5	1.1
I	Water Mana	gement Strategies	
Need (demand-Supply)	0.0	9.4	20.6
Currently Available Supplies	14.4	17.5	17.5
Potable Water Available	9.4	12.5	12.5
Collin Grayson Municipal Alliance Pipeline Project	1.7	4.8	4.8

DENISON

		Projected Populatio	n and Dema
Values in MGD	2010	2020	2030
Projected Population (in City)	25,000	28,000	30,000
Projected Water Demand			
Municipal Water Demand	4.90	5.40	5.70
Manufacturing and Customers	1.26	1.32	1.35
Total Projected Demand	6.16	6.72	7.05
Currently Available Water Supplies			
Lake Randell	1.25	1.25	1.25
Lake Texoma	5.17	5.17	5.17
Trinity Aquifer	0.14	0.14	0.14
Woodbine Aquifer	0.14	0.14	0.14
Total Current Supplies	6.70	6.70	6.70
Need (Demand-Current Supply)	0.00	0.03	0.36
Water Management Strategies			
Water Conservation	0.04	0.13	0.36
2 MGD WTP Expansion and more Texoma	0.00	0.00	0.00
Supplemental Wells	0.00	0.00	0.00
Total Water Management Strategies	0.04	0.13	0.36
Reserve (Shortage)	0.57	0.10	0.01
DENISON TOTAL	#NAME?	6.42	6.42

NTMWD

	MG	D	
Planned Supplies MGD	2010	2020	2030
Projected Demands (including losses for Treatment &	397 574	492 647	590 733
Delivery)	307,374	492,047	560,755
Existing			
Lake Lavon	100	99	98
Lake Texoma	69.0	69.0	69.0
Lake Chapman	42	42	42
Wilson Creek Reuse	45	54	64
Lake Bonham	5	5	5
East Fork Reuse (with Ray Hubbard Pass through)	46	60	78
Interim GTUA	14	0	0

Upper Sabine Basin	44	26	9
Direct Reuse for Irrigation (Collin & Rockwall Co)	2	2	2
Total Available Supplies	367	358	366
Need (Demand-Supply)	0	82	152
Water Management Strategies	0	0	0
Conservation (Wholesale Customers)	5	24	41
Texoma Pump Station Expansion	0	0	0
Additional Direc Reuse-Rockwall County Irrigation	0	0	0
Renewed Interim GTUA	0	20	20
Main Stem PS (additional East Fork)	0	31	13
Chapman Booster Pump Station	0	0	0
Planned Supplies	0	0	0
Lower Bois d'Arc Creek Res.	0	50	107
Additional Lake Texoma-Blend with new supplies	0.00	0.00	61.76
Fannin County Water Supply System	0	0	0
Marvin Nichols	0	0	78
Toledo Bend Phase 1	0	0	0
Oklahoma	0	0	0
Total Supplies from Strategies	5	125	321
Total Supplies	372	483	687
Reserve or (Shortage)	26	43	169
NWTMD TOTAL	#NAME?	#NAME?	#NAME?

TXU	
Water Rights	16400 acre feet per
	<i>14.64</i> mgd
RRA	
Water Rights	2250 acre feet per
	2.01 mgd

Chloride and TDS Cor

		Chlo	ride Concenti
Dlan			
f lali	1	5	10
Without	540	428	410
With	512	406	388

TDS Concentr					
Plan	1	5	10		
Without	1000	1000	1000		
With	1000	1000	1000		

*For TDS concentrations above 1000, the water would be treated so the e

DIST L M #NAME? TRIAN \$0.34 \$0. #NAME? TRIAN \$1.58 \$1. #NAME? TRIAN \$1.58 \$1. #NAME? TRIAN \$1.2% 15 #NAME? TRIAN \$2,200,000 \$4,000,0 #NAME? TRIAN \$0.80 \$1. #NAME? TRIAN \$0.80 \$1. #NAME? TRIAN \$0.80 \$1. #NAME? TRIAN \$0.90 1. #NAME? TRIAN \$0.90 1. #NAME? TRIAN \$5% 61 #NAME? TRIAN \$5% 72 DIST L M \$33% 37 MAME? TRIAN \$33% \$37	L M \$0.34 \$0.43 \$1.58 \$1.97 12% 15% L M \$3,200,000 \$4,000,000 \$0.80 \$1.00		
DIST L M #NAME? TRIAN \$0.34 \$0. #NAME? TRIAN \$1.58 \$1. #NAME? TRIAN \$1.2% 15	L M \$0.34 \$0.43 \$1.58 \$1.97 12% 15% L M I \$3,200,000 \$4,000,000 I \$0.80 \$1.00		
DIST L M #NAME? TRIAN \$0.34 \$0. #NAME? TRIAN \$1.58 \$1. #NAME? TRIAN \$1.2% 15 #NAME? TRIAN \$2,200,000 \$4,000,0 #NAME? TRIAN \$3,200,000 \$4,000,0 #NAME? TRIAN \$0.80 \$1. #NAME? TRIAN \$0.90 1. #NAME? TRIAN \$0.90 1. #NAME? TRIAN 0.90 1. #NAME? TRIAN \$55% 61 #NAME? TRIAN \$55% 72 DIST L M \$33% 37 #NAME? TRIAN \$33% \$37	L M \$0.34 \$0.43 \$1.58 \$1.97 12% 15% L M \$3,200,000 \$4,000,000 \$0.80 \$1.00		
DIST L M #NAME? TRIAN \$0.34 \$0. #NAME? TRIAN \$1.58 \$1. #NAME? TRIAN \$12% 15 #NAME? TRIAN \$2,00,000 \$4,000,0 #NAME? TRIAN \$0.80 \$1. #NAME? TRIAN \$0.80 \$1. #NAME? TRIAN \$0.90 1. #NAME? TRIAN \$0.90 1. #NAME? TRIAN \$0.90 1. #NAME? TRIAN \$55% 61 #NAME? TRIAN \$55% 72 DIST L M \$72 DIST L M \$33% \$37 #NAME? TRIAN 33% \$37	L M \$0.34 \$0.43 \$1.58 \$1.97 12% 15% L M I \$3,200,000 \$4,000,000 I \$0.80 \$1.00		
DIST L M #NAME? TRIAN \$0.34 \$0. #NAME? TRIAN \$1.58 \$1. #NAME? TRIAN \$12% 15 #NAME? TRIAN \$2,00,000 \$4,000,0 #NAME? TRIAN \$3,200,000 \$4,000,0 #NAME? TRIAN \$0.80 \$1. #NAME? TRIAN \$0.80 \$1. #NAME? TRIAN \$0.90 1. #NAME? TRIAN \$0.90 1. #NAME? TRIAN \$55% 61 #NAME? TRIAN \$55% 72 DIST L M \$72 DIST L M \$33% #NAME? TRIAN \$33% \$37	L M \$0.34 \$0.43 \$1.58 \$1.97 12% 15% L M \$3,200,000 \$4,000,000 \$0.80 \$1.00		
DIST L M #NAME? TRIAN \$0.34 \$0. #NAME? TRIAN \$1.58 \$1. #NAME? TRIAN \$12% 15 #NAME? TRIAN \$12% 15 #NAME? TRIAN \$3,200,000 \$4,000,0 #NAME? TRIAN \$0.80 \$1. #NAME? TRIAN \$0.80 \$1. #NAME? TRIAN \$0.90 1. #NAME? TRIAN 0.90 1. #NAME? TRIAN \$55% 61 #NAME? TRIAN \$55% 72 #NAME? TRIAN \$53 \$7 #NAME? TRIAN \$33% \$37	L M \$0.34 \$0.43 \$1.58 \$1.97 12% 15% L M I \$3,200,000 \$4,000,000 I \$0.80 \$1.00		
DIST L M #NAME? TRIAN \$0.34 \$0, #NAME? TRIAN \$1.58 \$1, #NAME? TRIAN 12% 15 #NAME? TRIAN \$3,200,000 \$4,000,0 #NAME? TRIAN \$3,200,000 \$4,000,0 #NAME? TRIAN \$0.80 \$1. #NAME? TRIAN \$0.80 \$1. #NAME? TRIAN \$0.90 1. #NAME? TRIAN \$0.90 1. #NAME? TRIAN \$0.90 1. #NAME? TRIAN \$5% \$72 #NAME? TRIAN \$5% \$72 #NAME? TRIAN \$33% \$37	L M \$0.34 \$0.43 \$1.58 \$1.97 12% 15% L M \$3,200,000 \$4,000,000 \$0.80 \$1.00		
DIST L M #NAME? TRIAN \$0.34 \$0. #NAME? TRIAN \$1.58 \$1. #NAME? TRIAN \$20,000 \$4,000,0 #NAME? TRIAN \$3,200,000 \$4,000,0 #NAME? TRIAN \$0.80 \$1. #NAME? TRIAN \$0.80 \$1. #NAME? TRIAN \$0.90 1. #NAME? TRIAN \$0.90 1. #NAME? TRIAN \$5% 61 #NAME? TRIAN \$5% 72 DIST L M \$3% #NAME? TRIAN \$3% \$37	L M \$0.34 \$0.43 \$1.58 \$1.97 12% 15% L M \$3,200,000 \$4,000,000 \$0.80 \$1.00		
DIST L M #NAME? TRIAN \$0.34 \$0. #NAME? TRIAN \$1.58 \$1. #NAME? TRIAN 12% 15 DIST L M #NAME? TRIAN \$3,200,000 \$4,000,0 #NAME? TRIAN \$0.80 \$1. #NAME? TRIAN 0.90 1. #NAME? TRIAN 0.90 1. MAME? TRIAN 65% 72 DIST L M #NAME? TRIAN 65% 73 MAME? TRIAN 33% 37	L M \$0.34 \$0.43 \$1.58 \$1.97 12% 15% L M \$3,200,000 \$4,000,000 \$0.80 \$1.00		
#NAME? TRIAN \$0.34 \$0. #NAME? TRIAN \$1.58 \$1. #NAME? TRIAN 12% 15	L M \$3,200,000 \$4,000,000 \$0.80 \$1.00	DIST L	#NLA ME?
#NAME? TRIAN 12% 15 #NAME? TRIAN \$3,200,000 \$4,000,0 #NAME? TRIAN \$0.80 \$1. #NAME? TRIAN \$0.80 \$1. #NAME? TRIAN \$0.90 1. #NAME? TRIAN 0.90 1. #NAME? TRIAN 55% 61 #NAME? TRIAN 65% 72 DIST L M 53 #NAME? TRIAN 48% 53 #NAME? TRIAN 33% 37	L M L \$3,200,000 \$4,000,000 I \$0.80 \$1.00	TRIAN	#INAME?
DIST L M #NAME? TRIAN \$3,200,000 \$4,000,0 #NAME? TRIAN \$0.80 \$1. #NAME? TRIAN 0.90 1. #NAME? TRIAN 0.90 1. #NAME? TRIAN 55% 61 #NAME? TRIAN 65% 72 DIST L M 1000000000000000000000000000000000000	L M \$3,200,000 \$4,000,000 I \$0.80 \$1.00	TRIAN	#NAME?
DIST L M #NAME? TRIAN \$3,200,000 \$4,000,0 #NAME? TRIAN \$0.80 \$1. #NAME? TRIAN 0.90 1. #NAME? TRIAN 0.90 1. #NAME? TRIAN 55% 61 #NAME? TRIAN 55% 72 DIST L M 53 #NAME? TRIAN 48% 53 #NAME? TRIAN 33% 37	L M \$3,200,000 \$4,000,000 \$0.80 \$1.00		
#NAME? TRIAN \$3,200,000 \$4,000,0 #NAME? TRIAN \$0.80 \$1. #NAME? TRIAN 0.90 1. #NAME? TRIAN 0.90 1. #NAME? TRIAN 55% 61 #NAME? TRIAN 65% 72 DIST L M #NAME? TRIAN 65% 73 DIST L M 48% 53 #NAME? TRIAN 48% 53 #NAME? TRIAN 33% 37	\$3,200,000 \$4,000,000 \$0.80 \$1.00	DIST I	
#NAME? TRIAN \$0.80 \$1. #NAME? TRIAN 0.90 1. #NAME? TRIAN 0.90 1. #NAME? TRIAN 55% 61 #NAME? TRIAN 55% 61 #NAME? TRIAN 65% 72 DIST L M 48% 53 #NAME? TRIAN 48% 53 #NAME? TRIAN 33% 37	\$0.80 \$1.00	TRIAN	#NAME?
#NAME? IRIAN \$0.80 \$1. #NAME? TRIAN 0.90 1. #NAME? TRIAN 0.90 1. #NAME? TRIAN 55% 61 #NAME? TRIAN 65% 72 DIST L M #NAME? TRIAN 65% 53 #NAME? TRIAN 48% 53 #NAME? TRIAN 33% 37	N \$0.80 \$1.00		
#NAME? TRIAN 0.90 1. Mathematical Dist L M M #NAME? TRIAN 55% 61 #NAME? TRIAN 65% 72 DIST L M M #NAME? TRIAN 48% 53 #NAME? TRIAN 33% 37		TRIAN	#NAME?
DIST L M #NAME? TRIAN 55% 61 #NAME? TRIAN 65% 72 DIST L M #NAME? TRIAN 48% 53 #NAME? TRIAN 33% 37	0.90 1.0	TRIAN	#NAME?
DIST L M #NAME? TRIAN 55% 61 #NAME? TRIAN 65% 72 DIST L M #NAME? TRIAN 48% 53 #NAME? TRIAN 33% 37			
DIST L M #NAME? TRIAN 55% 61 #NAME? TRIAN 65% 72 DIST L M #NAME? TRIAN 48% 53 #NAME? TRIAN 33% 37			
DIST L M #NAME? TRIAN 55% 61 #NAME? TRIAN 65% 72 DIST L M #NAME? TRIAN 48% 53 #NAME? TRIAN 33% 37			
DIST L M #NAME? TRIAN 55% 61 #NAME? TRIAN 65% 72 DIST L M #NAME? TRIAN 48% 53 #NAME? TRIAN 33% 37			
DIST L M #NAME? TRIAN 55% 61 #NAME? TRIAN 65% 72 DIST L M #NAME? TRIAN 48% 53 #NAME? TRIAN 33% 37			
DIST L M #NAME? TRIAN 55% 61 #NAME? TRIAN 65% 72 DIST L M #NAME? TRIAN 48% 53 #NAME? TRIAN 33% 37	,		
#NAME:INFIN55%72DISTLM#NAME?TRIAN48%53#NAME?TRIAN33%37	L M J 55% 610	DIST L TRIAN	#NAME?
DIST L M #NAME? TRIAN 48% 53 #NAME? TRIAN 33% 37	I 65% 729	TRIAN	#NAME?
DIST L M #NAME? TRIAN 48% 53 #NAME? TRIAN 33% 37			
#NAME? TRIAN 48% 53 #NAME? TRIAN 33% 37	I. M	DIST I	
#NAME? TRIAN 33% 37	48% 539	TRIAN	#NAME?
	33% 379	TRIAN	#NAME?

#NAME?	DIST TRIAN	L	M \$0.18	\$0.23
#NAME?	DIST TRIAN	L	M \$0.06	\$0.07

2040	2050	2060
57700	67000	80000
14348	16586	19804
15494	16894	18700
29842	33480	38504
4083	4083	4083
3463	3463	3463
8000	8000	8000
5600	5600	5600
21146	21146	21146
8696	12334	17358
958	1513	1968
8400	14000	19600
0	0	0
9358	15513	21568
662	3179	4210

2040	2050	2060
57700	67000	80000
12.80	14.80	17.67
13.83	15.08	16 69
15.65	20.88	24.26
20.03	29.88	34.30
0.00	0.00	0.00
3.64	3.64	3.64
3.09	3.09	3.09
7.14	7.14	7.14
5.00	5.00	5.00
18.87	18.87	18.87
7.76	11.01	15.49
0.00	0.00	0.00
0.85	1.35	1.76
7.50	12.49	17.49
0.00	0.00	0.00
8 35	13.84	19 25
0.55	13.04	276
2040	2050	2060
52,299	63,409	76,316
,	,	,
8 000	8 000	8 000
5,600	5,600	5,600
5,000	5,000	5,000
5.400	5.400	5.400
3,400	3,400	3,400
13,960	13,960	13,960
19,560	19,560	19,560
32,739	43 849	56 756
51,105	-13,043	20,720
2 176	3 157	4 058
2,170	5,457	4,938
6,726	6,726	6,726
13,440	19,040	24,640
0	0	0
11,400	11,400	11,400
2,792	9,204	16,012
36,534	49,827	63,736
56.094	69.387	83.296
43,768	57,061	70.970
3 705	5 078	6 080
45,918	57,930	70,338
2040	2050	2060
52.299	63.409	76.316
54,477	00,107	10,510
7 1	71	71
/.1	/.1	/.1
5.0	5.0	5.0
0.5	0.5	0.5

	DIST	L	М	
#NAME?	TRIAN		6.43	7.14

4.0	4.8	4.8
12.5	12.5	12.5
17.5	17.5	17.5
29.2	39.1	50.7
10	3.1	4.4
1.9	5.1	4.4
0.0	0.0	0.0
6.0	6.0	6.0
12.0	17.0	22.0
0.0	0.0	0.0
10.2	10.2	10.2
2.5	8.2	14.3
32.6	44.5	56.9
50.1	61.9	74.3
39.1	50.9	63.3
37.1	53	62.5
3.4 #NAME9	5.5 #NAME9	0.2 #NAME9
	20.50	20.00
2040	2050	2060
31,000	32,000	33,000
5.79	5.95	6.14
1.39	1.44	1.50
7.19	7.39	7.64
1.25	1.25	1.25
5.17	5.17	5.17
0.14	0.14	0.14
0.14	0.14	0.14
6.70	6.70	6.70
0.70	0.70	0.70
0.70	0.60	11 0 / 1
0.49	0.69	0.94
0.49	0.69	0.94
0.49	0.69	0.94
0.49 0.48 1.00	0.69 0.54 1.00	0.94
0.49 0.48 1.00 0.00	0.69 0.54 1.00 0.00	0.61 1.00 0.00
0.49 0.48 1.00 0.00 1.48	0.69 0.54 1.00 0.00 1.54	0.61 1.00 0.00 1.61
0.49 0.48 1.00 0.00 1.48 0.99	0.69 0.54 1.00 0.00 1.54 0.85	0.94 0.61 1.00 0.00 1.61 0.66
0.49 0.48 1.00 0.00 1.48 0.99 #NAME?	0.69 0.54 1.00 0.00 1.54 0.85 7.42	0.94 0.61 1.00 0.00 1.61 0.66 7.42
0.49 0.48 1.00 0.00 1.48 0.99 #NAME?	0.69 0.54 1.00 0.00 1.54 0.85 7.42	0.94 0.61 1.00 0.00 1.61 0.66 7.42
0.49 0.48 1.00 0.00 1.48 0.99 #NAME?	0.69 0.54 1.00 0.00 1.54 0.85 7.42 2050	0.94 0.61 1.00 0.00 1.61 0.66 7.42 2060
0.49 0.48 1.00 0.00 <i>1.48</i> 0.99 #NAME? 2040 667,711	0.69 0.54 1.00 0.00 1.54 0.85 7.42 2050 736,064	0.94 0.61 1.00 0.00 1.61 0.66 7.42 2060 789,466
0.49 0.48 1.00 0.00 <i>1.48</i> 0.99 #NAME? 2040 667,711	0.69 0.54 1.00 0.00 1.54 0.85 7.42 2050 736,064 95	0.94 0.61 1.00 0.00 1.61 0.66 7.42 2060 789,466 94
0.49 0.48 1.00 0.00 1.48 0.99 #NAME? 2040 667,711 97 69.0	0.69 0.54 1.00 0.00 1.54 0.85 7.42 2050 736,064 95 69.0	0.94 0.61 1.00 0.00 1.61 0.66 7.42 2060 789,466 94 69.0
0.49 0.48 1.00 0.00 1.48 0.99 #NAME? 2040 667,711 97 69.0 42	0.69 0.54 1.00 0.00 1.54 0.85 7.42 2050 736,064 95 69.0 42	0.94 0.61 1.00 0.00 1.61 0.66 7.42 2060 789,466 94 69.0 42
0.49 0.48 1.00 0.00 1.48 0.99 #NAME? 2040 667,711 97 69.0 42 64	0.69 0.54 1.00 0.00 1.54 0.85 7.42 2050 736,064 95 69.0 42 64	0.94 0.61 1.00 0.00 1.61 0.66 7.42 2060 789,466 94 69.0 42 64
0.49 0.48 1.00 0.00 1.48 0.99 #NAME? 2040 667,711 97 69.0 42 64 5	0.69 0.54 1.00 0.00 1.54 0.85 7.42 2050 736,064 95 69.0 42 64 5	0.94 0.61 1.00 0.00 1.61 0.66 7.42 2060 789,466 94 69.0 42 64 5
0.49 0.48 1.00 0.00 1.48 0.99 #NAME? 2040 667,711 97 69.0 42 64 5 01	0.69 0.54 1.00 0.00 1.54 0.85 7.42 2050 736,064 95 69.0 42 64 5 01	0.94 0.61 1.00 0.00 1.61 0.66 7.42 2060 789,466 94 69.0 42 64 5 01
0.49 0.48 1.00 0.00 1.48 0.99 #NAME? 2040 667,711 97 69.0 42 64 5 91 0	0.69 0.54 1.00 0.00 1.54 0.85 7.42 2050 736,064 95 69.0 42 64 5 91	0.94 0.61 1.00 0.00 1.61 0.66 7.42 2060 789,466 94 69.0 42 64 5 91 0

#NAME? #NAME? #NAME? #NAME? #NAME?	DIST TRIAN TRIAN TRIAN TRIAN TRIAN	L	6.71 23.37 30.38 36.88 46.53 56.49	М	7.45 25.97 33.75 40.98 51.70 62.77	
#NAME? #NAME?	DIST TRIAN TRIAN	L	5	M 5.78 5.68		6.42 7.42

8	8	8
2	2	2
378	377	376
217	280	328
0	0	0
53	63	72
0	0	0
0	0	0
20	0	0
0	0	0
0	0	0
0	0	0
105	103	101
61.13	100.84	100.84
0	0	0
78	156	156
0	89	89
0	0	45
317	512	564
695	890	940
99	233	235
#NAME?	#NAME?	#NAME?

	DIST	L	М	
#NAME?	TRIAN		62.09	68.98
#NAME?	TRIAN		62.09	68.98
#NAME?	TRIAN		117.67	130.74
#NAME?	TRIAN		117.10	130.11
#NAME?	TRIAN		152.84	169.83
#NAME?	TRIAN		152.84	169.83

centration Tables

ations (mg/L)										
Percent of Time Equalled or Exceeded										
20	20 50 52 59 80 90 95 99									
387	387 335 319 300 254 228 207 162									
367	302	300	296	240	216	196	153			

ions (mg/L)											
Percent of Time Equaled or Exceeded											
20	41	42	50	80	90	95	99				
1000	1000	1000	948	737	642	569	474				
1000	1000	993	940	731	636	565	470				
				8							

end product would have a TDS concentration of 1000.

Н	
	\$0.52
	\$2.36
	18%
н	
	\$4,800,000
	\$ 1,000,000
	\$1.20
	φ1.20
	1 10
	1.10
Η	
	67%
	79%
Н	
	58%
	41%



Η

7.85

Н	8.20 28.57 37.13 45.08 56.87 69.05		
Н	7.06 8.16		

Н

75.88 75.88 143.81 143.13 186.81 186.81