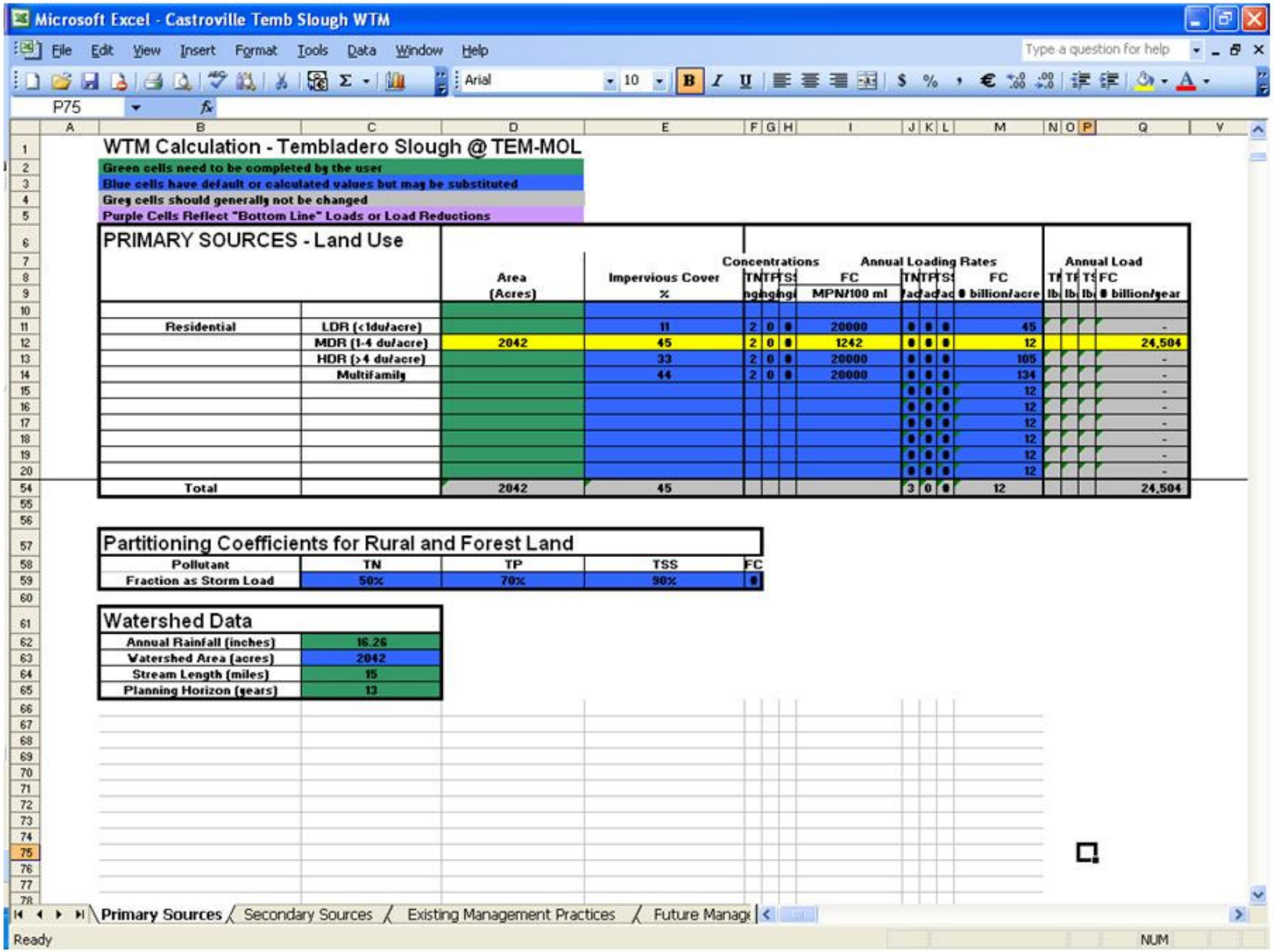
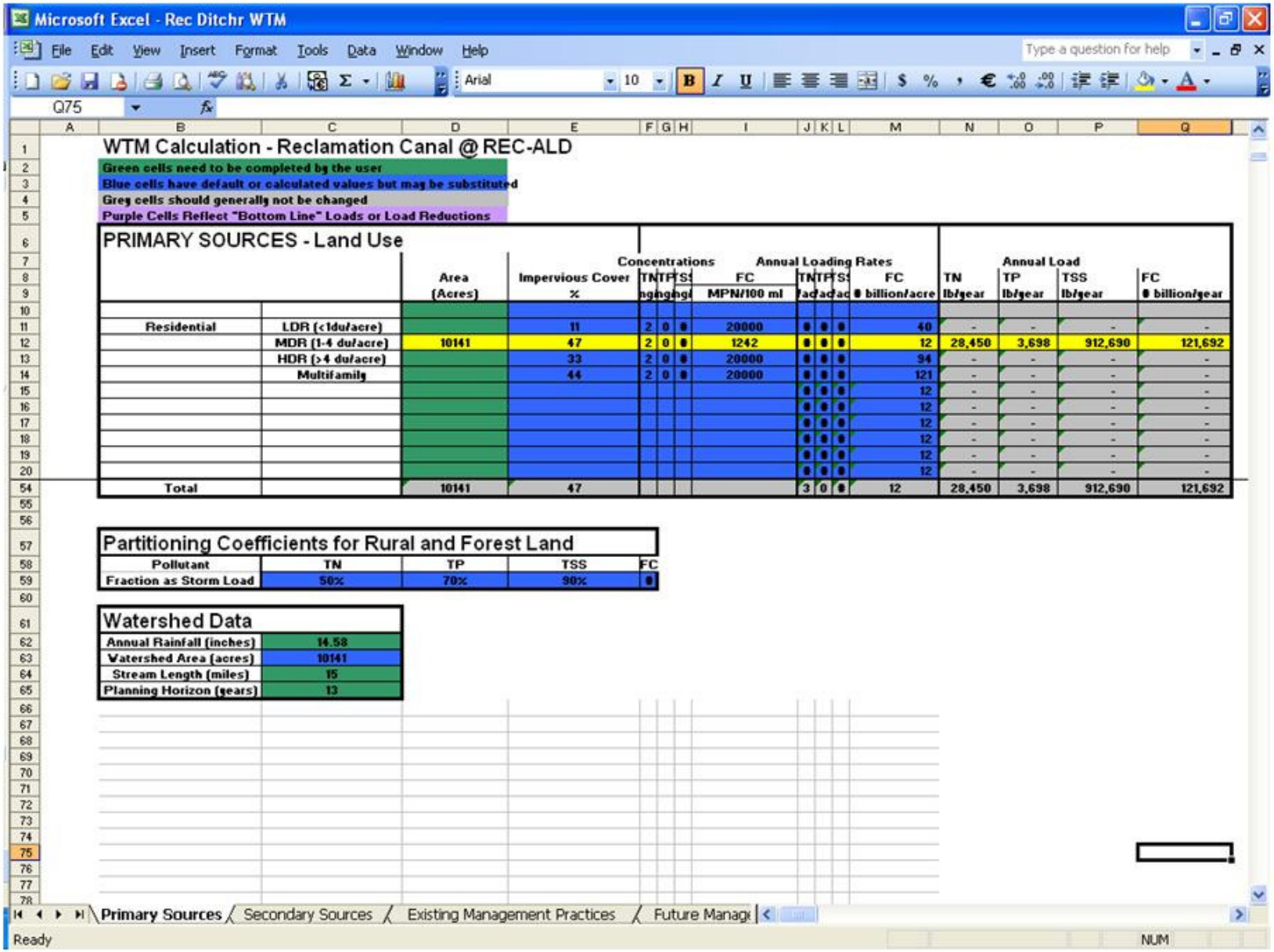
APPENDIX E: OSDS CENSUS DATA AND WTM SPREADSHEETS

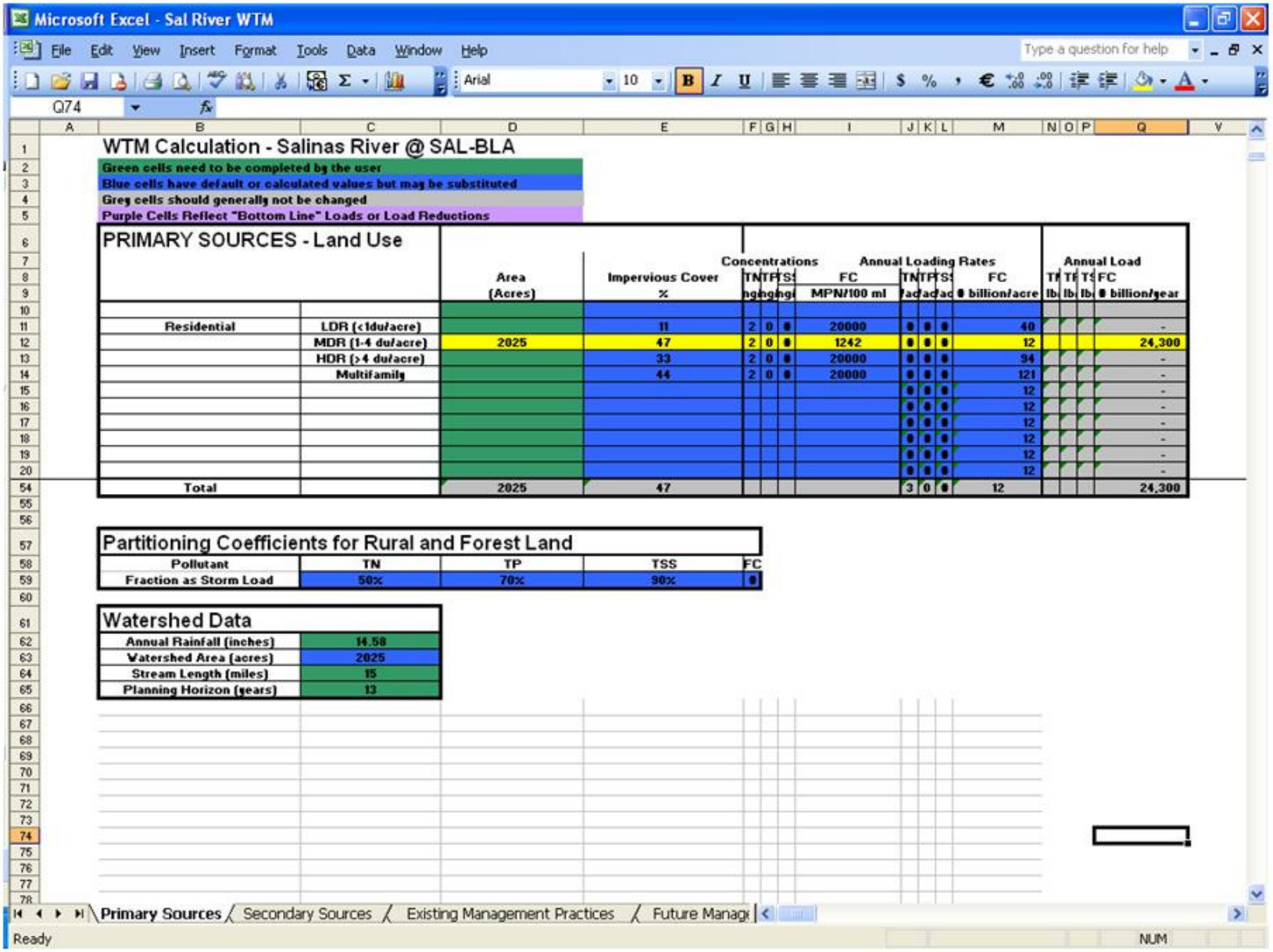
Spreadsheets for Census Bureau Sewage Data – Monterey County:

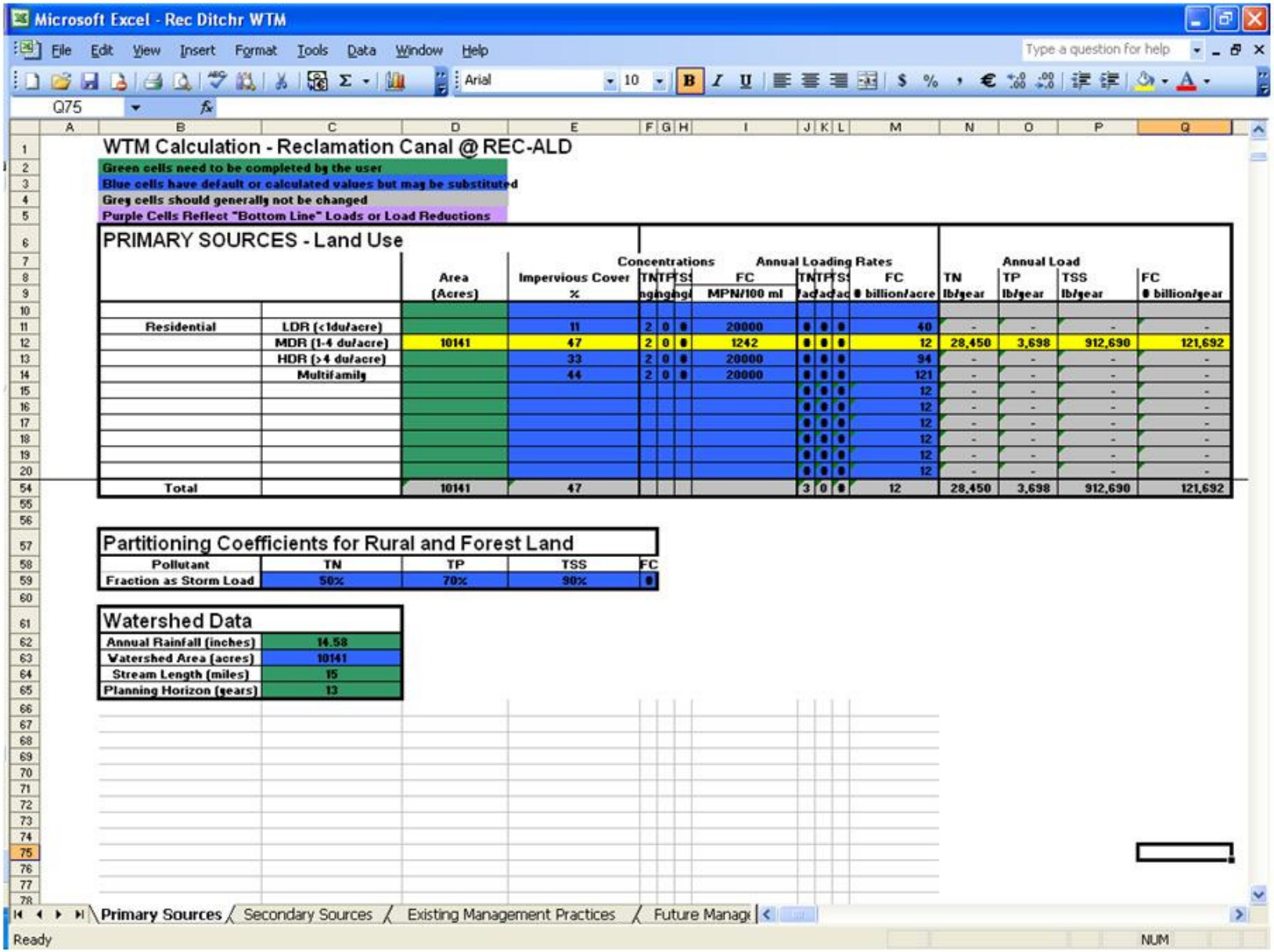
	A	B	C	D	E	F	G	H	I	J	K	L	M
1		Monterey County	BG 1, Tract 1, Monterey County, California	BG 4, Tract 1, Monterey County, California	BG 1, Tract 103.02, Monterey County, California	BG 2, Tract 103.02, Monterey County, California	BG 3, Tract 143.02, Monterey County, California	BG 1 Tract 143.01, Monterey County, California	BG 1, Tract 105.01, Monterey County, California	BG 2, Tract 105.01, Monterey County, California	BG 3, Tract 105.01, Monterey County, California	BG 4, Tract 105.01, Monterey County, California	BG 3, Tract 105.02, Monterey County, California
2	Waterbodies		Gabilan Creek (lower)	Gabilan Creek (lower)	Salinas R. Estuary, Temb. Slough, Rec Ditch, Salinas Lagoon	Temb. Slough	Salinas R. Lagoon	Salinas R. Lagoon	Upper Santa Rita Creek	Not proximal to identified impaired waterbodies	Upper Santa Rita Crek	Uppermost Temb. Slough	Lower Santa Rita Creek, East Bank Rec Ditch
3	Total (Households) 1990				211	445	1288	449	486	1010	226	369	4374
4	Housing Units 1990		816	253	257	478	1395	407	444	1000	230	358	4492
5	Public sewer		525	29	124	63	1385	380	6	20	9	0	4391
6	Septic tank or cesspool 1990 Census		282	224	120	403	0	27	438	974	205	358	88
7	**Est. # of Units with Septic in 2000 (1% growth rate/year per Chico Study)**		310	246	132	443	0	30	482	1071	226	394	97
8	persons per housing unit 1990)				3.11	2.89	2.75	3.03	3.16	3.11	3.29	3.37	2.78
9	Other means				13	12	10	0	0	6	16	0	13
10	% housing units on septic				46.69	84.31	0.00	6.63	98.65	97.40	89.13	100.00	1.96
11	Total Land Area mi2		2.43	2.58	19.1	10.51	5.35	3.63	4.15	4.78	14.73744	2.3	12.25
12	**Total Land Area Acres**		1555.2	1651.2	12224	6726.4	3424	2323.2	2656	3059.2	9431.96	1472	7840
13	total Water area mi2												
14	Septic Density 1990 (#/Sq/mi2)		116.049	86.822	6.283	38.344	0.000	7.438	105.542	203.766	13.910	155.652	7.184
15	Septic Density 1990 (#/acre)		0.181	0.136	0.010	0.060	0.000	0.012	0.165	0.318	0.022	0.243	0.011
16	Est. Septic Density 2000 (#/acre)		0.199	0.149	0.011	0.066	0.000	0.013	0.181	0.350	0.024	0.268	0.012
17	Average household size (2000 Census)	**3.14**			Assume 3.14	Assume 3.14	Assume 3.14	Assume 3.14	Assume 3.14	Assume 3.14	Assume 3.14	Assume 3.14	Assume 3.14

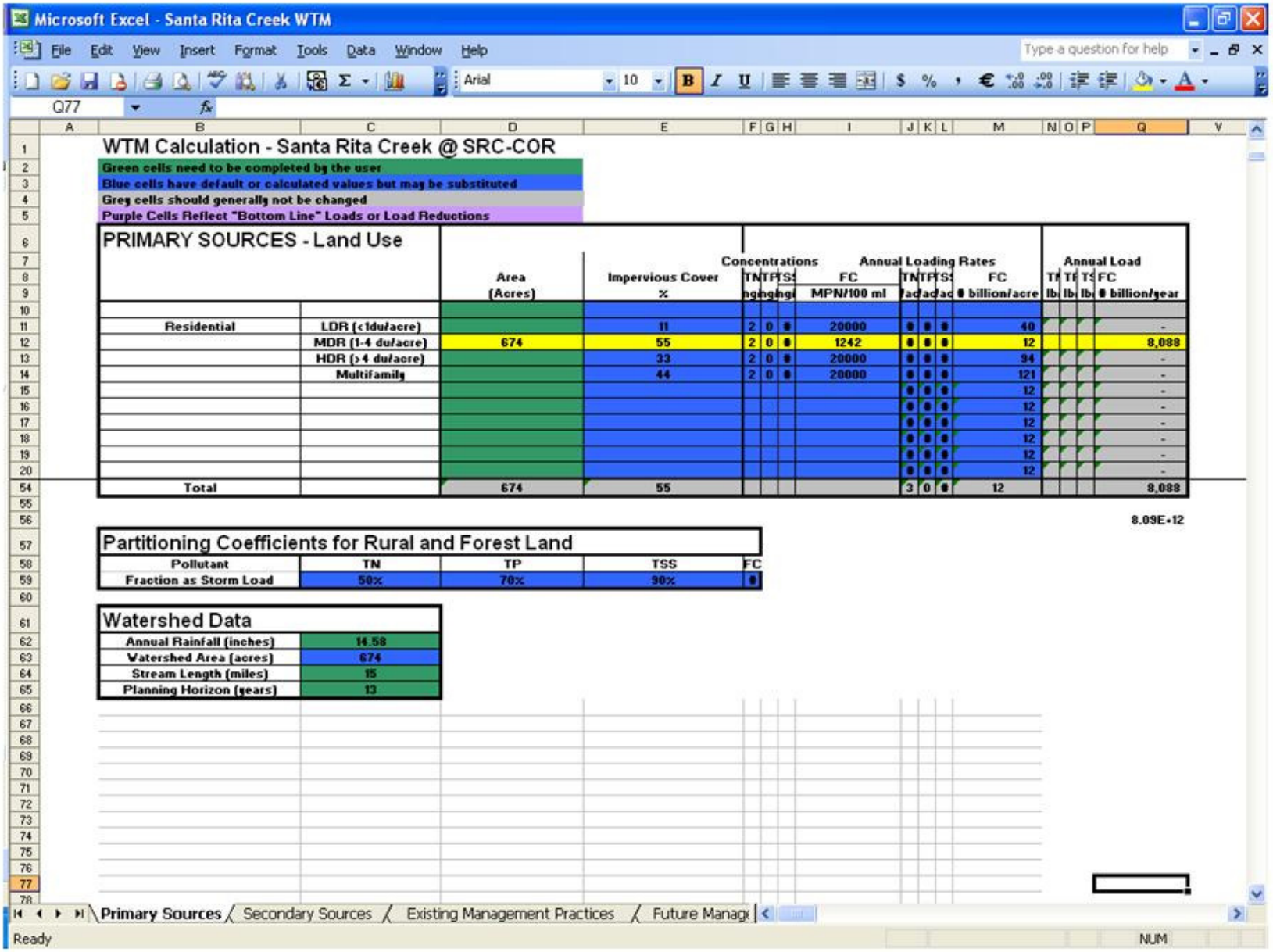
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
18																
19		Monterey County	BG 1, Tract 106.01, Monterey County, California	BG 2, Tract 106.01, Monterey County, California	BG 3, Tract 106.01, Monterey County, California	BG 1, Tract 107, Monterey County, California	BG 2, Tract 107, Monterey County, California	BG 3, Tract 107, Monterey County, California	BG 4, Tract 107, Monterey County, California	BG 5, Tract 107, Monterey County, California	BG 6, Tract 107, Monterey County, California	BG 4, Tract 108.36, Monterey County, California	BG 5, Tract 108.36, Monterey County, California	Salinas city, California	Castroville CDP, California	
20	Waterbodies		Mainstem Lower Salinas (east bank), Blanco Drain, West Bank Rec Ditch	Mainstem Lower Salinas R (east bank)., Lowermost Alisal Creek	Mid to upper Alisal Creek, Natividad Creek, parts of Upper Gabilan	Lower Toro Creek	Lower Toro Creek	Mainstem Salinas (Mid watershed) west bank	Mainstem Salinas (Mid watershed) west bank	Upper El Torro Creek	Upper El Torro Creek	Chualar Creek, Quail Creek	Mainstem Salinas (upper watershed)	Rec Ditch, Lowermost Gabilan, Alisal, Natividad	Temb. Slough	
21	Total (Households) 1990		149	274	1084	242	544	819	116			511	232	33518	1287	
22	Housing Units 1990		129	298	1241	323	530	837	140	583	586	621	228	34577	1320	
23	Public sewer		7	221	879	239	530	230	0	128	53	347	74	34191	1304	
24	Septic tank or cesspool 1990 Census		122	77	362	65	0	582	131	450	524	270	149	171	10	
25	**Est. # of Units with Septic in 2000 (1% growth rate/year per Chico Study)**		134	85	398	72	0	640	144	495	576	297	164	188	11	
26	persons per housing unit 1990)		3.42	3.12	3.62	2.47	3.05	2.9	3.1			4.54	3.91	3.21	4.13	
27	Other means		0	0	0	19	0	25	9	5	9	4	5	215	6	
28	% housing units on septic		94.57	25.84	29.17	20.12	0.00	69.53	93.57	77.19	89.42	43.48	65.35	0.49	0.76	
29	Total Land Area mi2		15.08	11.51	86.02	0.5	0.47	18.42	28.93	7.95	18.47	106.08	49	19.01	1.01	
30	**Total Land Area Acres**		9651.2	7366.4	55052.8	320	300.8	11788.8	18515.2	5088	11820.8	67891.2	31360	12166.4	646.4	
31	total Water area mi2															
32	Septic Density 1990 (#/Sq/mi2)		8.090	6.690	4.208	130.000	0.000	31.596	4.528	56.604	28.370	2.545	3.041	8.995	9.901	
33	Septic Density 1990 (#/acre)		0.013	0.010	0.007	0.203	0.000	0.049	0.007	0.088	0.044	0.004	0.005	0.014	0.015	
34	Est. Septic Density 2000 (#/acre)		0.014	0.011	0.007	0.223	0.000	0.054	0.008	0.097	0.049	0.004	0.005	0.015	0.017	
35	Average household size (2000 Census)	**3.14**	Assume 3.14	Assume 3.14	Assume 3.14	Assume 3.14	Assume 3.14	Assume 3.14	Assume 3.14	Assume 3.14	Assume 3.14					

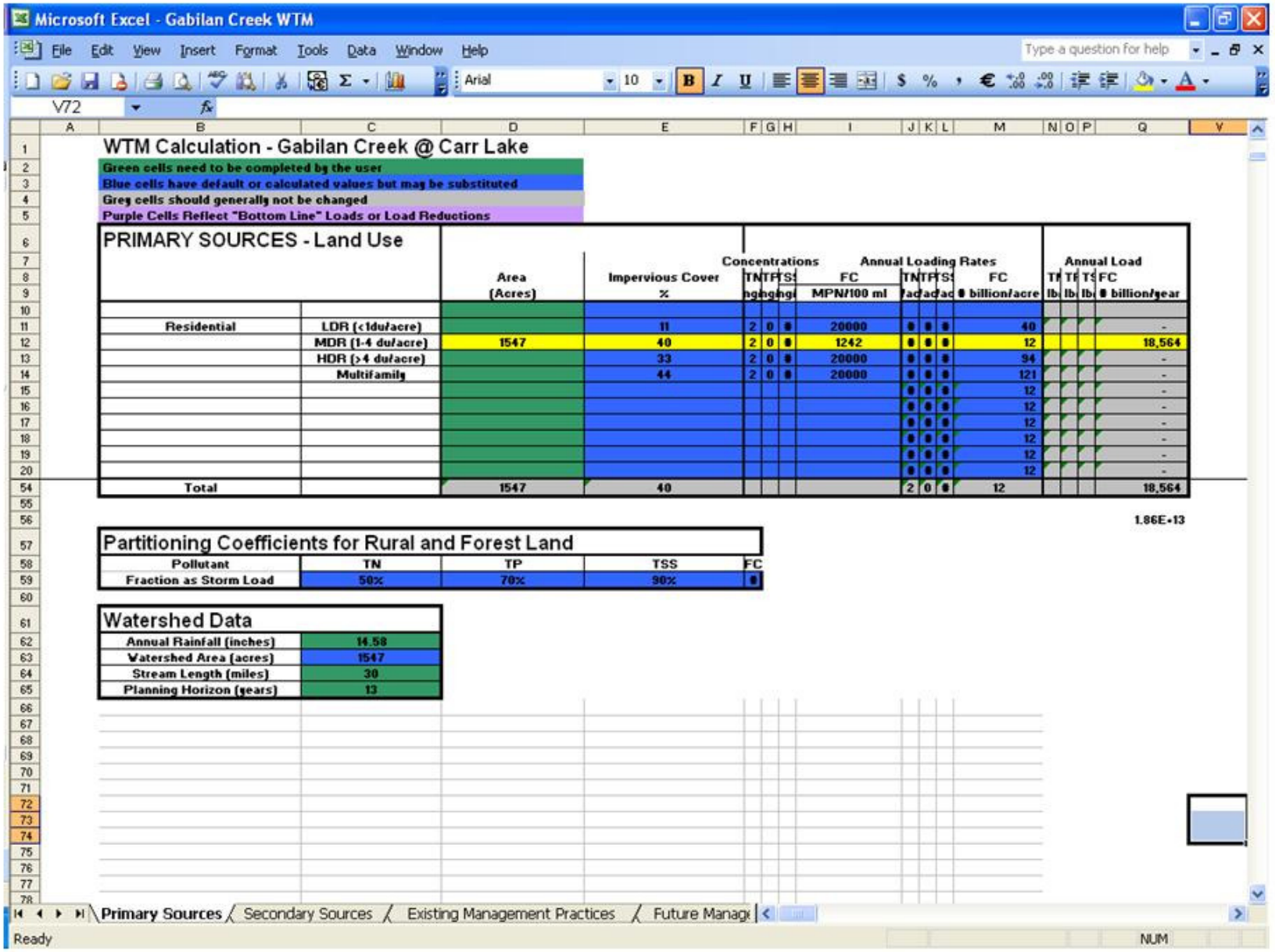

Microsoft Excel - Castroville Temb Slough WTM
File Edit View Insert Format Tools Data Window Help
Type a question for help
Arial 10
P75
WTM Calculation - Tembladero Slough @ TEM-MOL
Green cells need to be completed by the user
Blue cells have default or calculated values but may be substituted
Grey cells should generally not be changed
Purple Cells Reflect "Bottom Line" Loads or Load Reductions
PRIMARY SOURCES - Land Use
Area (Acres)
Impervious Cover %
Concentrations
Annual Loading Rates
Annual Load
FC MPN/100 ml
FC billion/acre
FC billion/year
Residential
LDR (<1du/acre)
MDR (1-4 du/acre)
HDR (>4 du/acre)
Multifamily
2042
11
45
33
44
20000
1242
105
134
45
12
24,504
Total
2042
45
12
Partitioning Coefficients for Rural and Forest Land
Pollutant
TN
TP
TSS
FC
Fraction as Storm Load
50%
70%
90%
Watershed Data
Annual Rainfall (inches)
16.26
Watershed Area (acres)
2042
Stream Length (miles)
15
Planning Horizon (years)
13
Primary Sources
Secondary Sources
Existing Management Practices
Future Manag
Ready
NUM

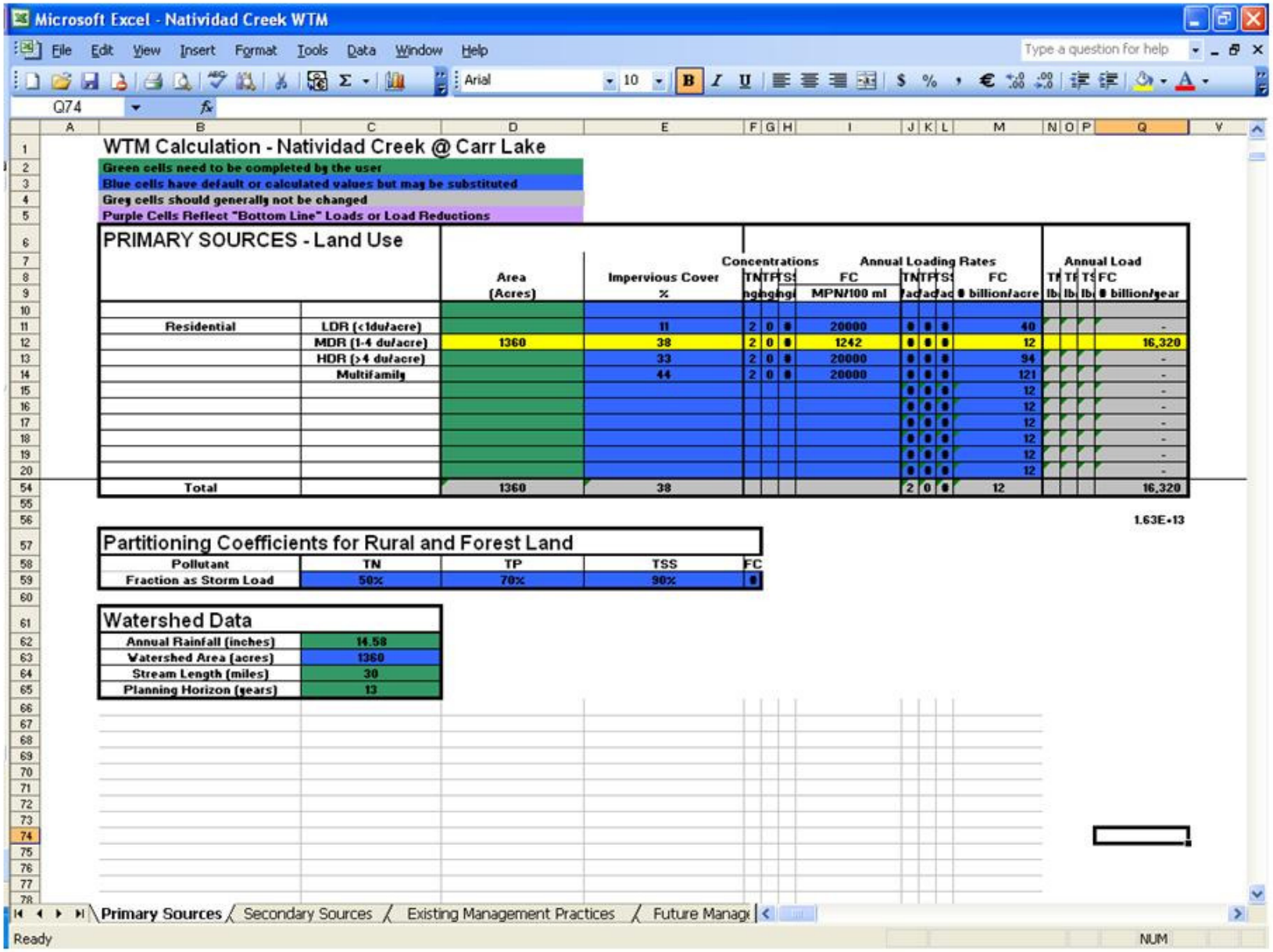

Microsoft Excel - Rec Ditchr WTM
File Edit View Insert Format Tools Data Window Help
Type a question for help
Arial 10
Q75
WTM Calculation - Reclamation Canal @ REC-ALD
Green cells need to be completed by the user
Blue cells have default or calculated values but may be substituted
Grey cells should generally not be changed
Purple Cells Reflect "Bottom Line" Loads or Load Reductions
PRIMARY SOURCES - Land Use
Area (Acres)
Impervious Cover %
Concentrations
Annual Loading Rates
Annual Load
TN lb/year
TP lb/year
TSS lb/year
FC 0 billion/year
Residential
LDR (<1du/acre)
MDR (1-4 du/acre)
HDR (>4 du/acre)
Multifamily
10141
Total
Partitioning Coefficients for Rural and Forest Land
Pollutant
Fraction as Storm Load
TN
TP
TSS
FC
50%
70%
90%
Watershed Data
Annual Rainfall (inches)
14.58
Watershed Area (acres)
10141
Stream Length (miles)
15
Planning Horizon (years)
13
Primary Sources
Secondary Sources
Existing Management Practices
Future Manag
Ready
NUM


Microsoft Excel - Sal River WTM
File Edit View Insert Format Tools Data Window Help
Type a question for help
Arial 10
Q74
WTM Calculation - Salinas River @ SAL-BLA
Green cells need to be completed by the user
Blue cells have default or calculated values but may be substituted
Grey cells should generally not be changed
Purple Cells Reflect "Bottom Line" Loads or Load Reductions
PRIMARY SOURCES - Land Use
Area (Acres)
Impervious Cover %
Concentrations
Annual Loading Rates
Annual Load
Residential
LDR (<1du/acre) 11 2 0 0 20000 0 0 0 40 -
MDR (1-4 du/acre) 2025 47 2 0 0 1242 0 0 0 12 24,300
HDR (>4 du/acre) 33 2 0 0 20000 0 0 0 94 -
Multifamily 44 2 0 0 20000 0 0 0 121 -
0 0 0 12 -
0 0 0 12 -
0 0 0 12 -
0 0 0 12 -
0 0 0 12 -
0 0 0 12 -
Total 2025 47 3 0 0 12 24,300
Partitioning Coefficients for Rural and Forest Land
Pollutant TN TP TSS FC
Fraction as Storm Load 50% 70% 90% 0
Watershed Data
Annual Rainfall (inches) 14.58
Watershed Area (acres) 2025
Stream Length (miles) 15
Planning Horizon (years) 13
Primary Sources
Secondary Sources
Existing Management Practices
Future Manage
Ready
NUM


Microsoft Excel - Rec Ditchr WTM
File Edit View Insert Format Tools Data Window Help
Type a question for help
Arial 10
Q75
WTM Calculation - Reclamation Canal @ REC-ALD
Green cells need to be completed by the user
Blue cells have default or calculated values but may be substituted
Grey cells should generally not be changed
Purple Cells Reflect "Bottom Line" Loads or Load Reductions
PRIMARY SOURCES - Land Use
Area (Acres)
Impervious Cover %
Concentrations
Annual Loading Rates
Annual Load
TN lb/year
TP lb/year
TSS lb/year
FC 0 billion/year
Residential
LDR (<1du/acre)
MDR (1-4 du/acre)
HDR (>4 du/acre)
Multifamily
10141
Total
Partitioning Coefficients for Rural and Forest Land
Pollutant
Fraction as Storm Load
TN
TP
TSS
FC
50%
70%
90%
Watershed Data
Annual Rainfall (inches)
14.58
Watershed Area (acres)
10141
Stream Length (miles)
15
Planning Horizon (years)
13
Primary Sources
Secondary Sources
Existing Management Practices
Future Manag
Ready
NUM


Microsoft Excel - Santa Rita Creek WTM
File Edit View Insert Format Tools Data Window Help
Type a question for help
Arial 10
Q77
WTM Calculation - Santa Rita Creek @ SRC-COR
Green cells need to be completed by the user
Blue cells have default or calculated values but may be substituted
Grey cells should generally not be changed
Purple Cells Reflect "Bottom Line" Loads or Load Reductions
PRIMARY SOURCES - Land Use
Area (Acres)
Impervious Cover %
Concentrations
Annual Loading Rates
Annual Load
FC MPN/100 ml
FC ∎ billion/acre
FC ∎ billion/year
Residential
LDR (<1du/acre)
MDR (1-4 du/acre)
HDR (>4 du/acre)
Multifamily
674
11
55
33
44
20000
1242
94
121
40
12
8,088
Total
55
8.09E+12
Partitioning Coefficients for Rural and Forest Land
Pollutant
TN
TP
TSS
FC
Fraction as Storm Load
50%
70%
90%
∎
Watershed Data
Annual Rainfall (inches)
14.58
Watershed Area (acres)
674
Stream Length (miles)
15
Planning Horizon (years)
13
Primary Sources
Secondary Sources
Existing Management Practices
Future Manage
Ready
NUM


Microsoft Excel - Gabilan Creek WTM
File Edit View Insert Format Tools Data Window Help
Type a question for help
Arial 10
V72
WTM Calculation - Gabilan Creek @ Carr Lake
Green cells need to be completed by the user
Blue cells have default or calculated values but may be substituted
Grey cells should generally not be changed
Purple Cells Reflect "Bottom Line" Loads or Load Reductions
PRIMARY SOURCES - Land Use
Area (Acres)
Impervious Cover %
Concentrations
Annual Loading Rates
Annual Load
Residential
LDR (<1du/acre) 11 2 0 0 20000 0 0 0 40 -
MDR (1-4 du/acre) 1547 40 2 0 0 1242 0 0 0 12 18,564
HDR (>4 du/acre) 33 2 0 0 20000 0 0 0 94 -
Multifamily 44 2 0 0 20000 0 0 0 121 -
Total 1547 40 2 0 0 12 18,564
1.86E+13
Partitioning Coefficients for Rural and Forest Land
Pollutant TN TP TSS FC
Fraction as Storm Load 50% 70% 90% 0
Watershed Data
Annual Rainfall (inches) 14.58
Watershed Area (acres) 1547
Stream Length (miles) 30
Planning Horizon (years) 13
Primary Sources
Secondary Sources
Existing Management Practices
Future Manag
Ready
NUM


Microsoft Excel - Natividad Creek WTM
File Edit View Insert Format Tools Data Window Help
Type a question for help
Arial 10
Q74
WTM Calculation - Natividad Creek @ Carr Lake
Green cells need to be completed by the user
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Grey cells should generally not be changed
Purple Cells Reflect "Bottom Line" Loads or Load Reductions
PRIMARY SOURCES - Land Use
Area (Acres)
Impervious Cover %
Concentrations
Annual Loading Rates
Annual Load
Residential
LDR (<1du/acre)
MDR (1-4 du/acre)
HDR (>4 du/acre)
Multifamily
Total
1360
38
16,320
1.63E+13
Partitioning Coefficients for Rural and Forest Land
Pollutant
TN
TP
TSS
FC
Fraction as Storm Load
50%
70%
90%
0
Watershed Data
Annual Rainfall (inches)
14.58
Watershed Area (acres)
1360
Stream Length (miles)
30
Planning Horizon (years)
13
Primary Sources
Secondary Sources
Existing Management Practices
Future Manag
Ready
NUM