

### Profile: Stanislaus

**Sierra Nevada West Slope Watersheds Climatic Change Alternatives**

File

Sierra Nevada Map

Watershed Region: Central

Elevation Range: 5000-5500

Precipitation: Base

Temperature: Base +4°C

Procedure:  Simple  Detailed

Winter: Inches | Spring: Inches | Annual: Inches | Snow (wc4-1): Inches

Elevation	Vegetation	Aspect	Area	Base Condition			
Feet			Acres	Avg:			
5000-5500	Bare	South	0	26.7	12.0	38.7	0.9
5000-5500	Forest	South	92	12.6	67.2	79.8	45.9
5000-5500	Shrub	South	6	19.1	3.4	22.5	0.2
5000-5500	Bare	North	0	27.5	5.2	32.7	0.0
5000-5500	Forest	North	75	49.4	16.6	66.0	0.7
5000-5500	Shrub	North	2	16.0	2.4	18.4	0.0
5000-5500	Bare	E/W/Flat	0	+3%	-57%	-16%	-100%
5000-5500	Forest	E/W/Flat	9	+291%	-75%	-17%	-98%
5000-5500	Shrub	E/W/Flat	0	-16%	-29%	-18%	-100%
Total Area Entered:			184				

**Climatic Change Alternative**

**Comparison to Base**

**Sierra Nevada West Slope Watersheds Climatic Change Alternatives**

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Sierra Nevada Map

Watershed Region: Central

Elevation Range: 5000-5500

Precipitation: Base

Temperature: Base +4°C

Procedure:  Simple  Detailed

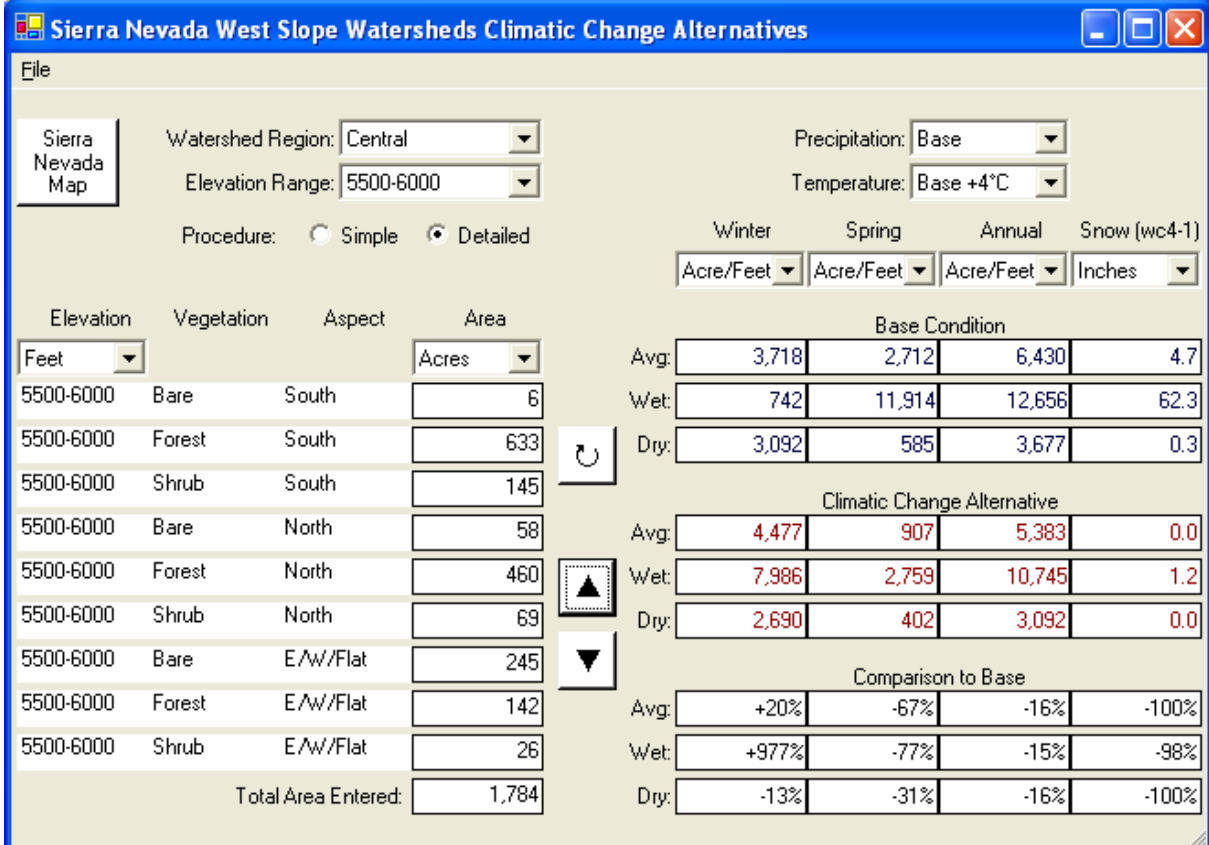
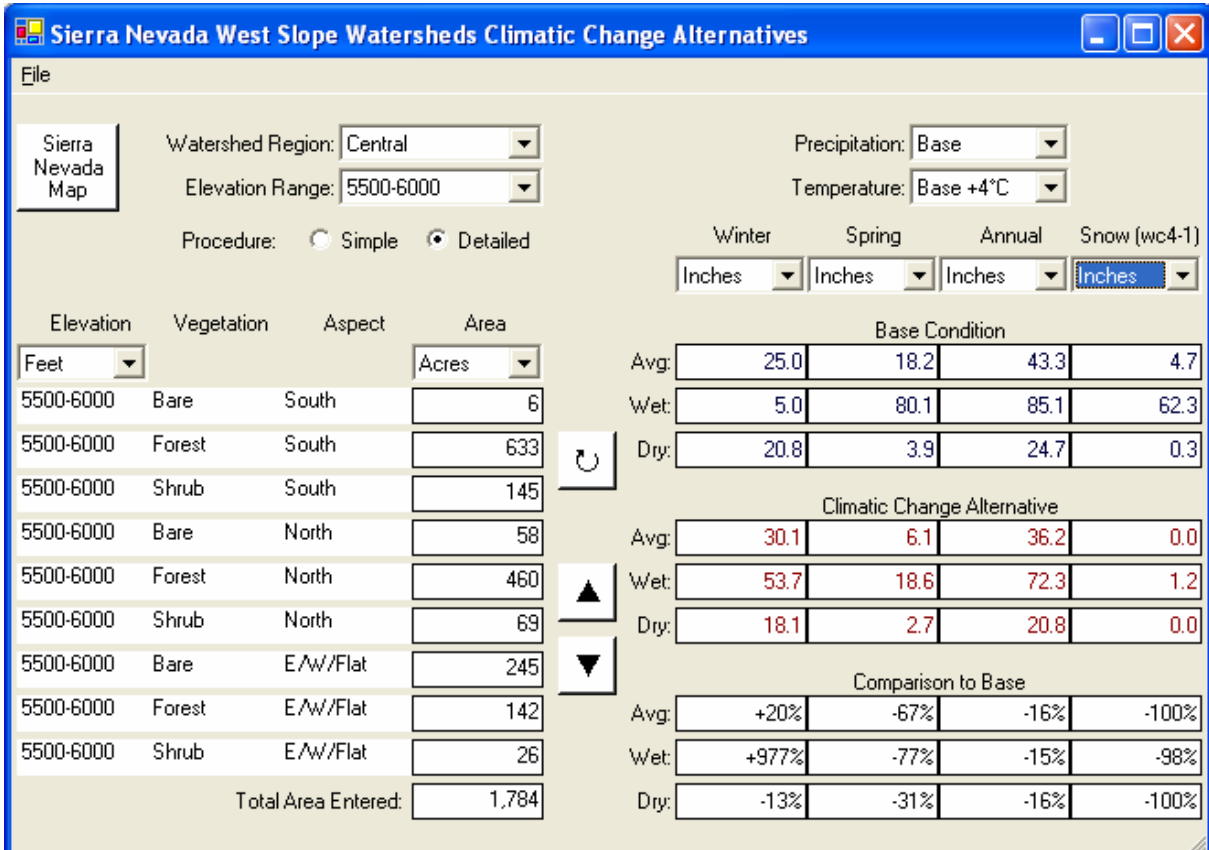
Winter: Acre/Feet | Spring: Acre/Feet | Annual: Acre/Feet | Snow (wc4-1): Inches

Elevation	Vegetation	Aspect	Area	Base Condition			
Feet			Acres	Avg:			
5000-5500	Bare	South	0	409	184	593	0.9
5000-5500	Forest	South	92	194	1,030	1,224	45.9
5000-5500	Shrub	South	6	293	52	345	0.2
5000-5500	Bare	North	0	421	79	501	0.0
5000-5500	Forest	North	75	758	254	1,012	0.7
5000-5500	Shrub	North	2	245	36	282	0.0
5000-5500	Bare	E/W/Flat	0	+3%	-57%	-16%	-100%
5000-5500	Forest	E/W/Flat	9	+291%	-75%	-17%	-98%
5000-5500	Shrub	E/W/Flat	0	-16%	-29%	-18%	-100%
Total Area Entered:			184				

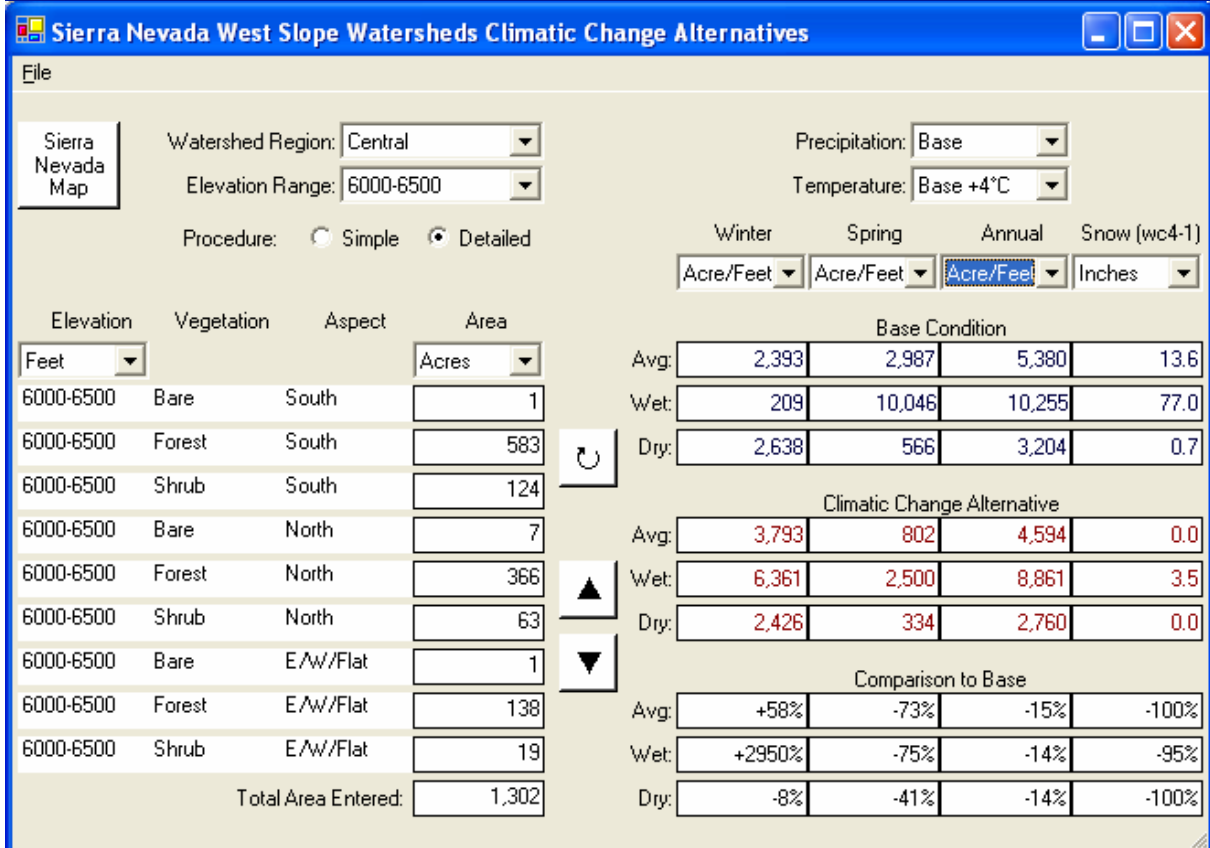
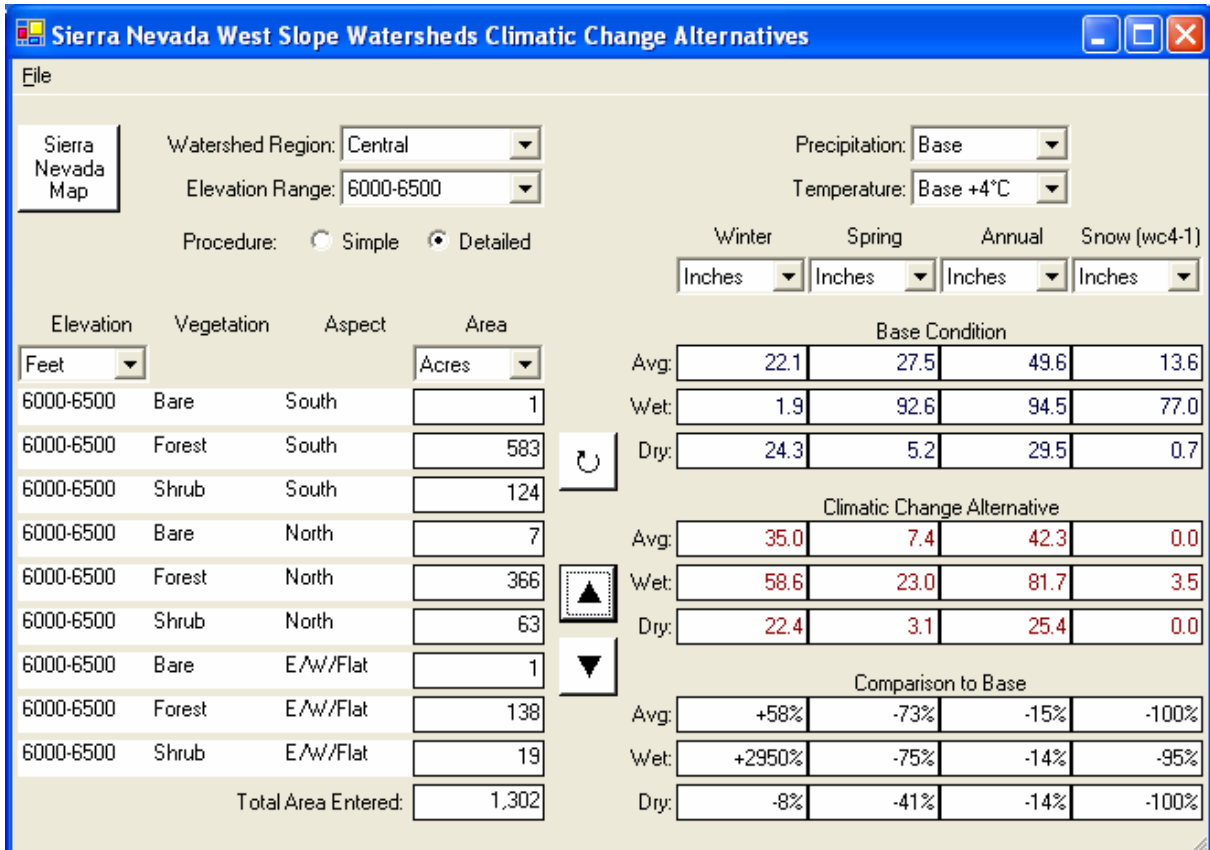
**Climatic Change Alternative**

**Comparison to Base**

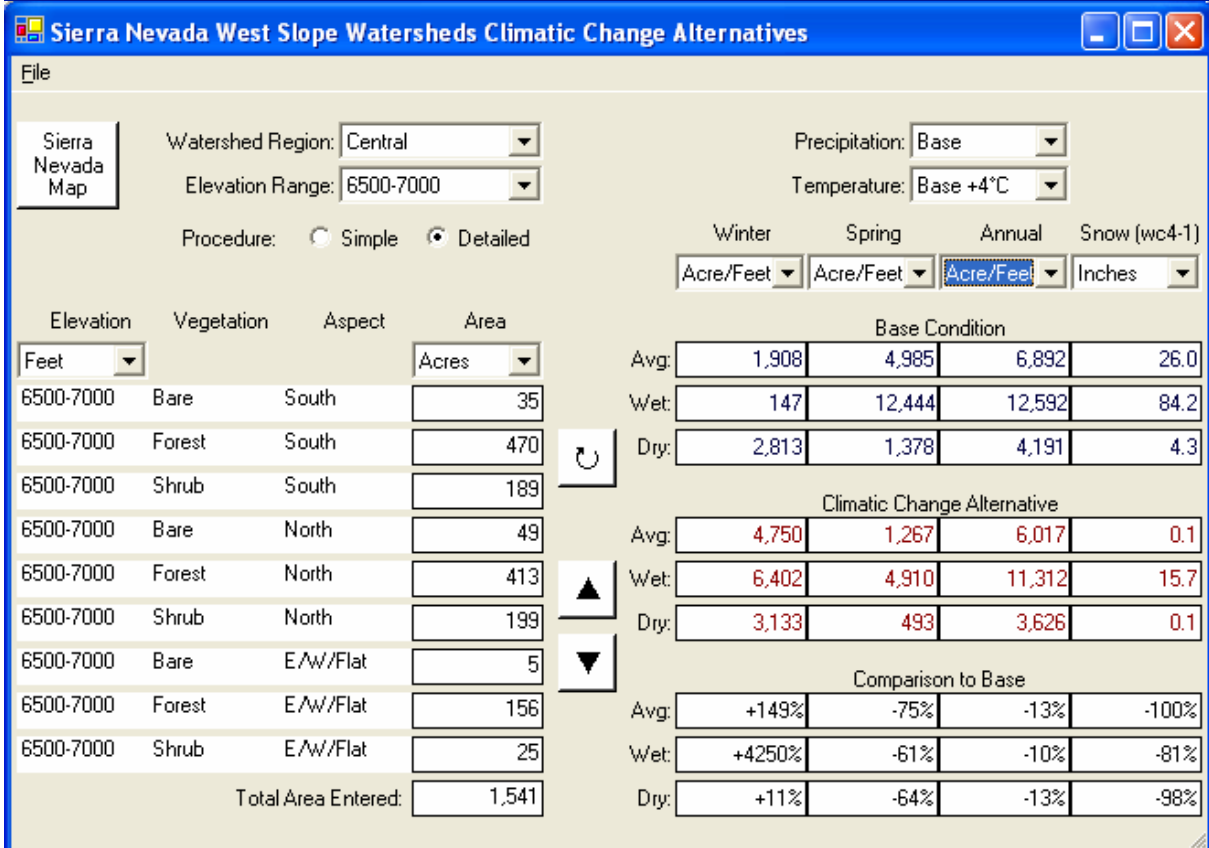
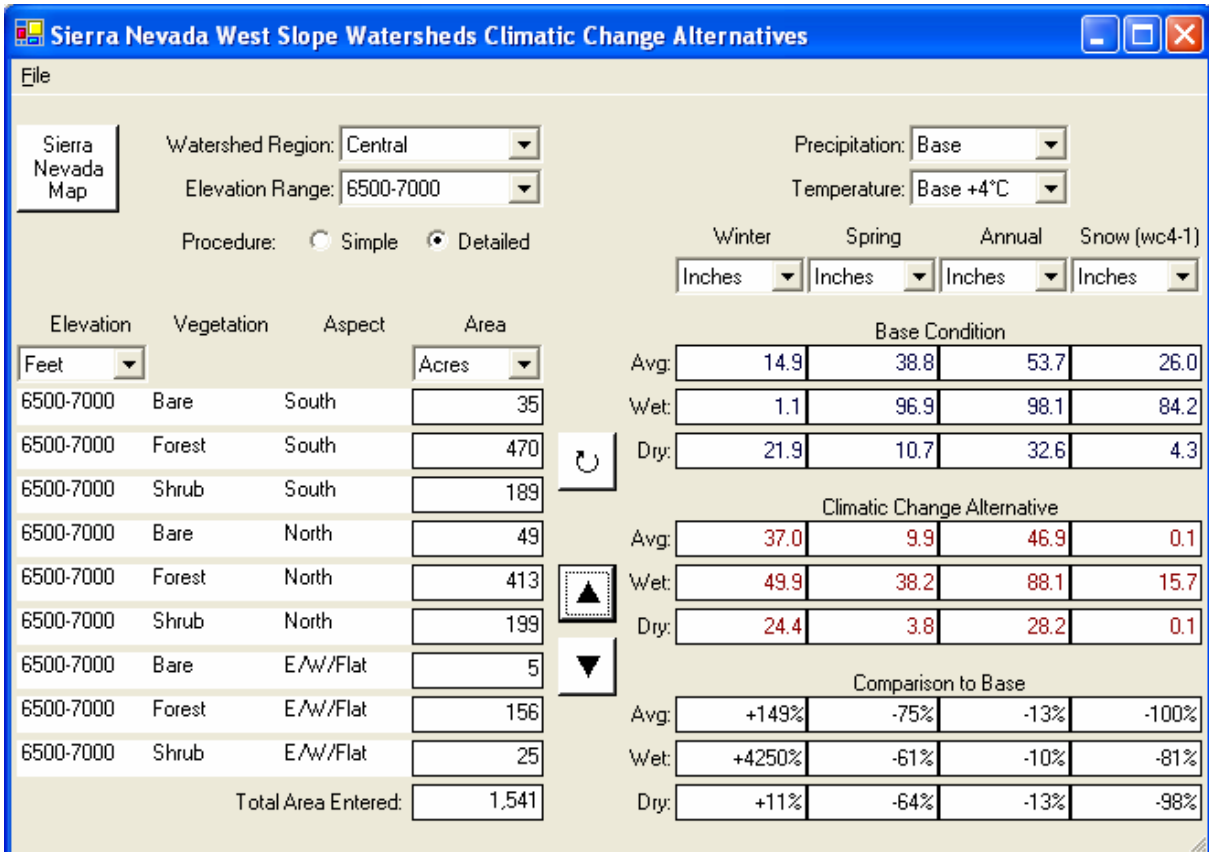
Stanislaus: 5000-5500 feet elevation profile, inches and acre-feet



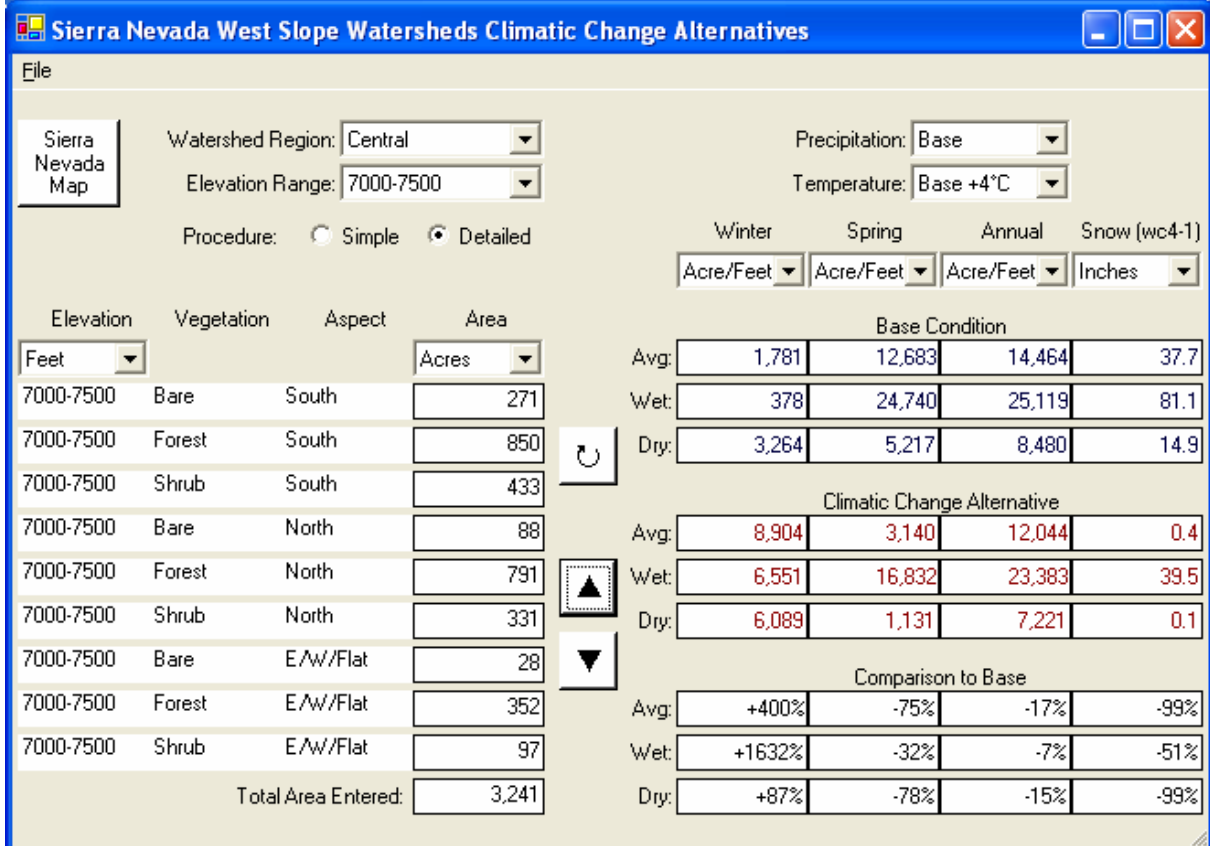
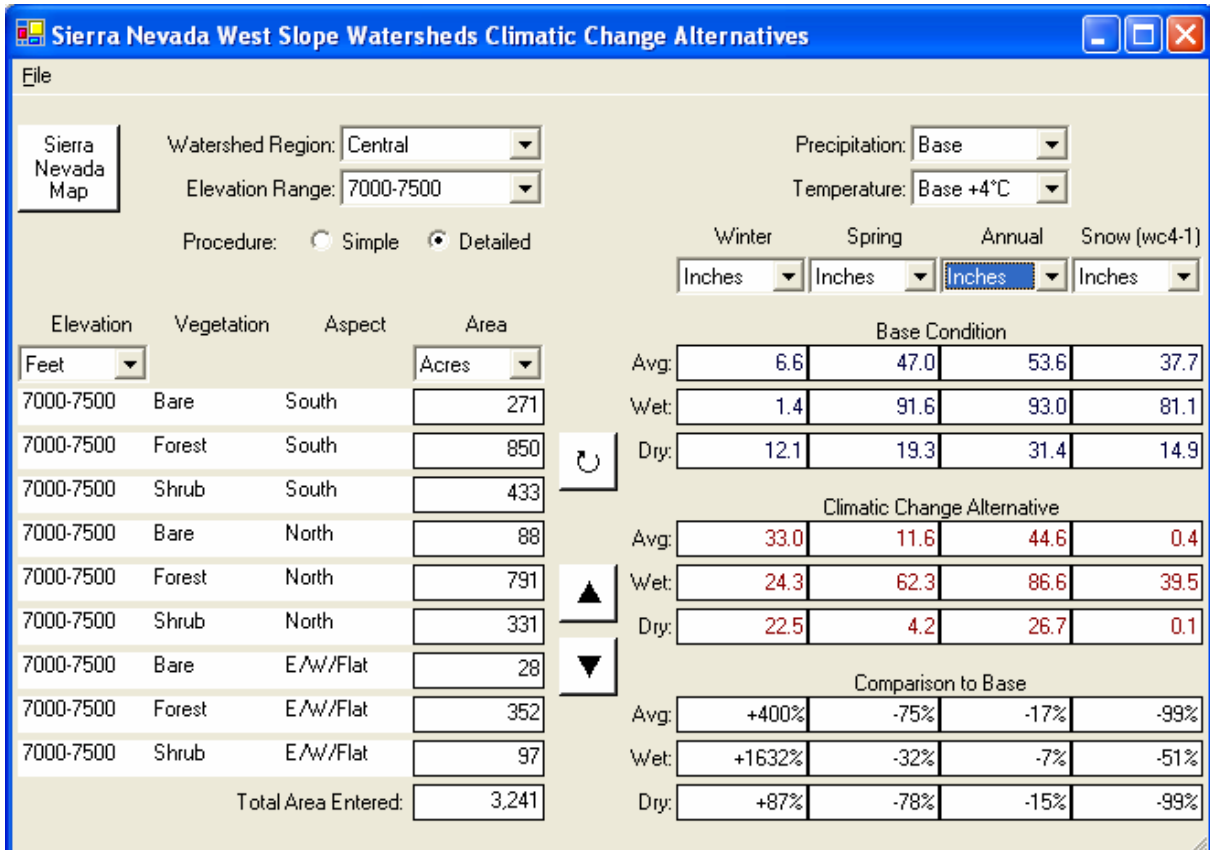
Stanislaus: 5500-6000 feet elevation profile, inches and acre-feet



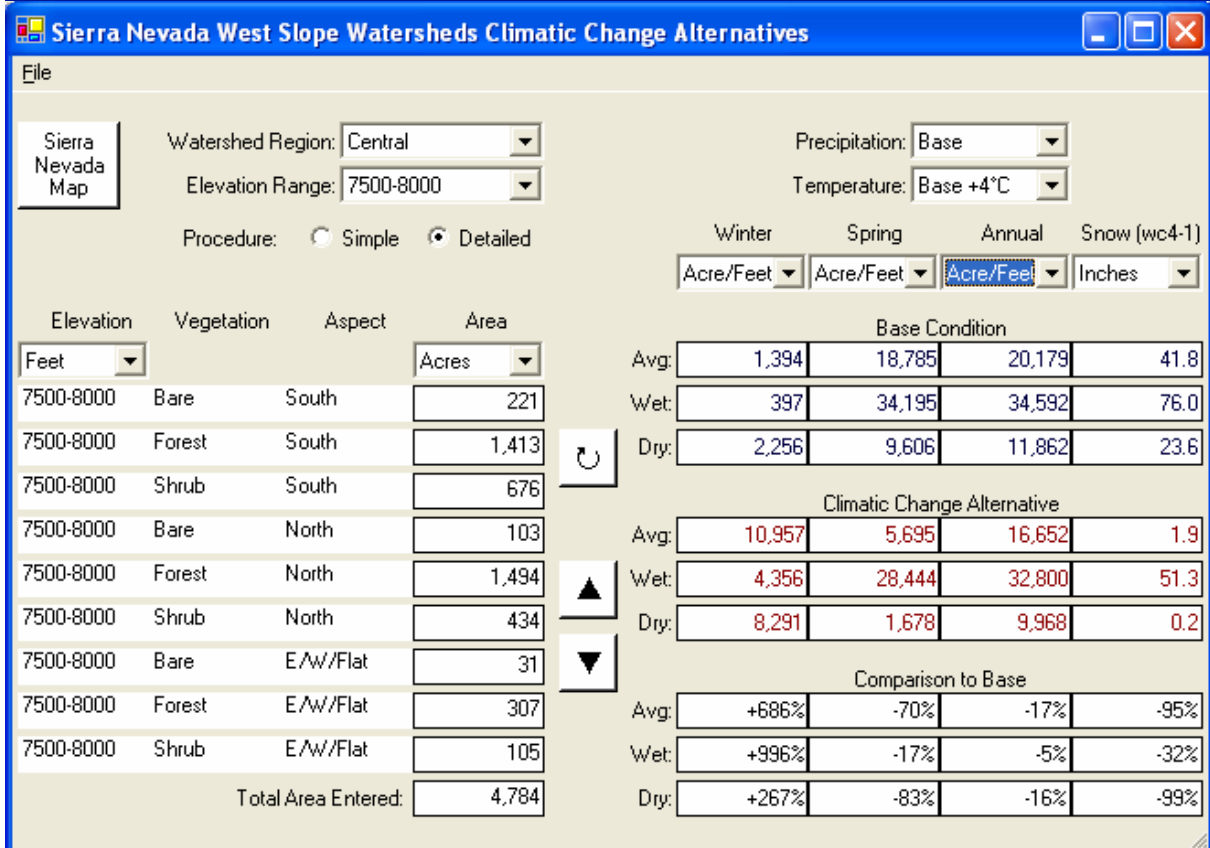
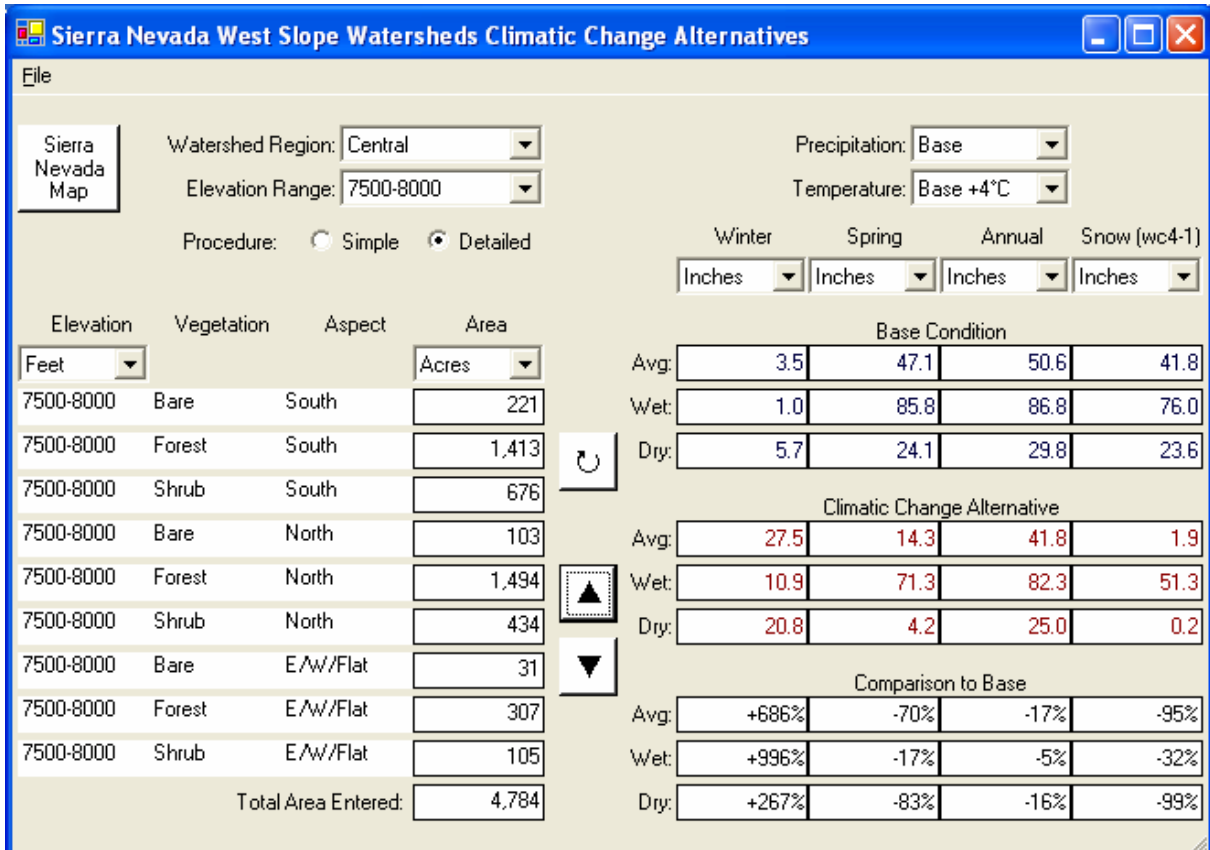
Stanislaus: 6000-6500 feet elevation profile, inches and acre-feet



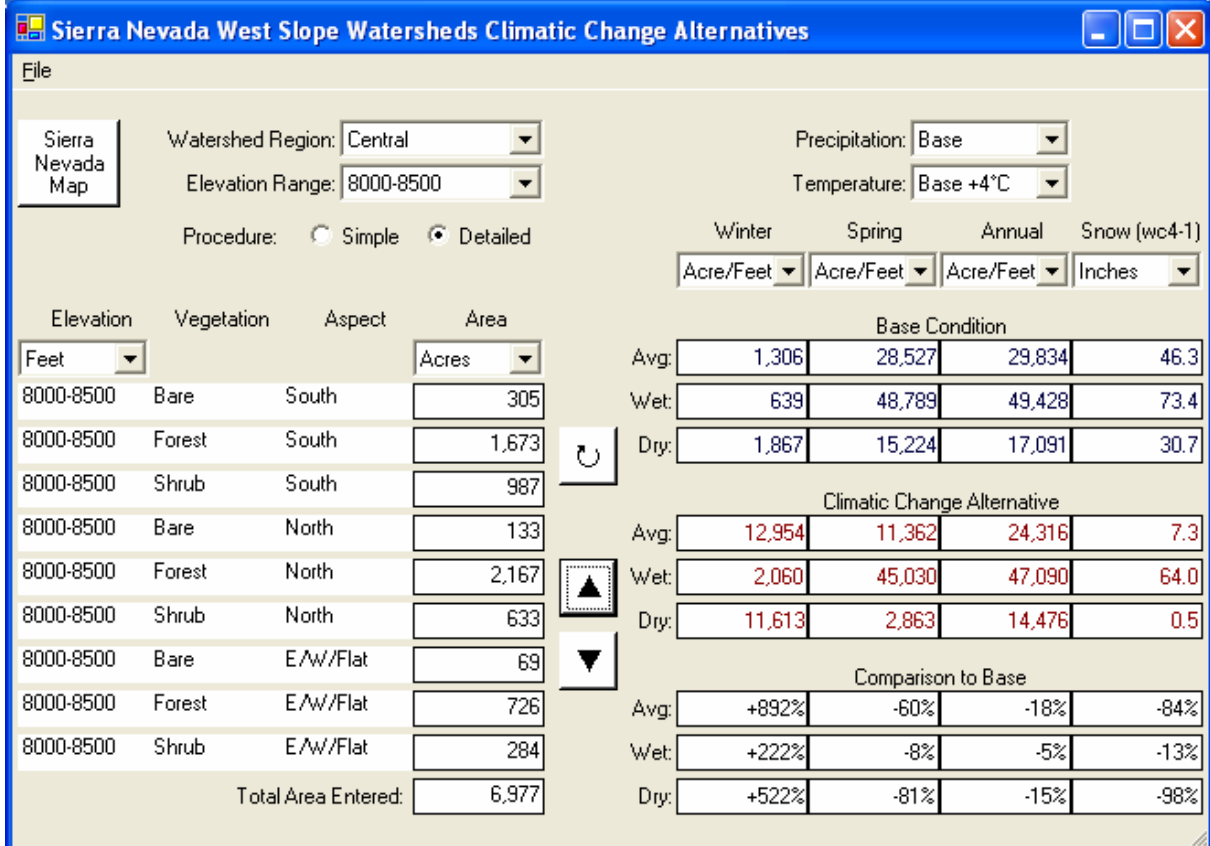
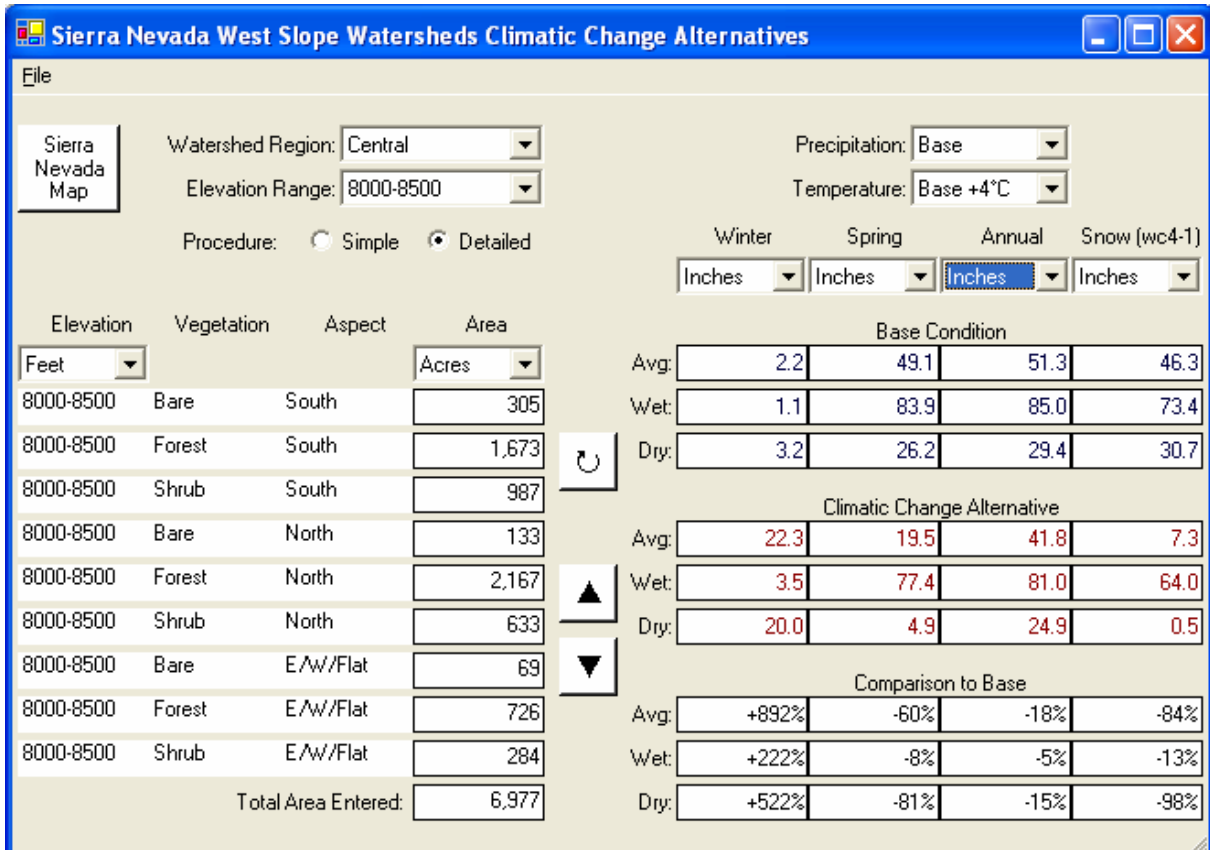
Stanislaus: 6500-7000 feet elevation profile, inches and acre-feet



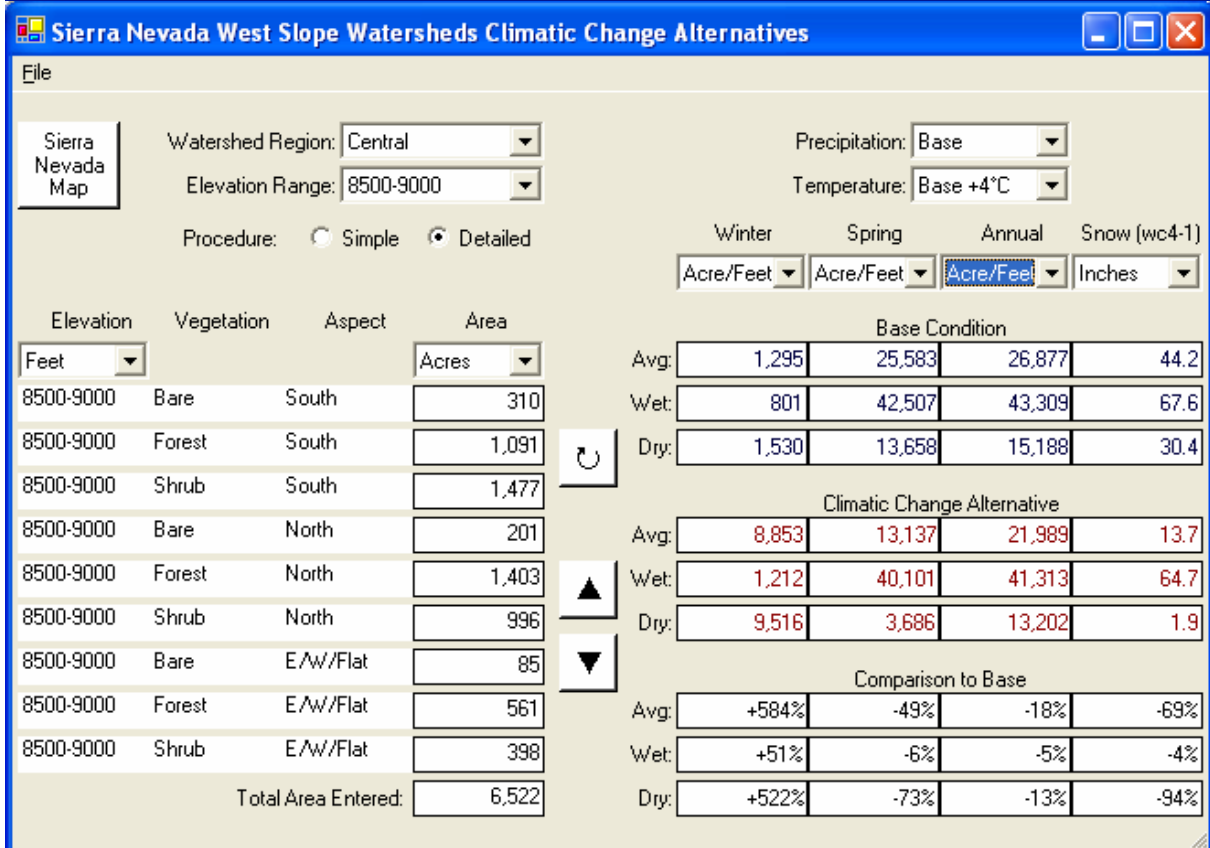
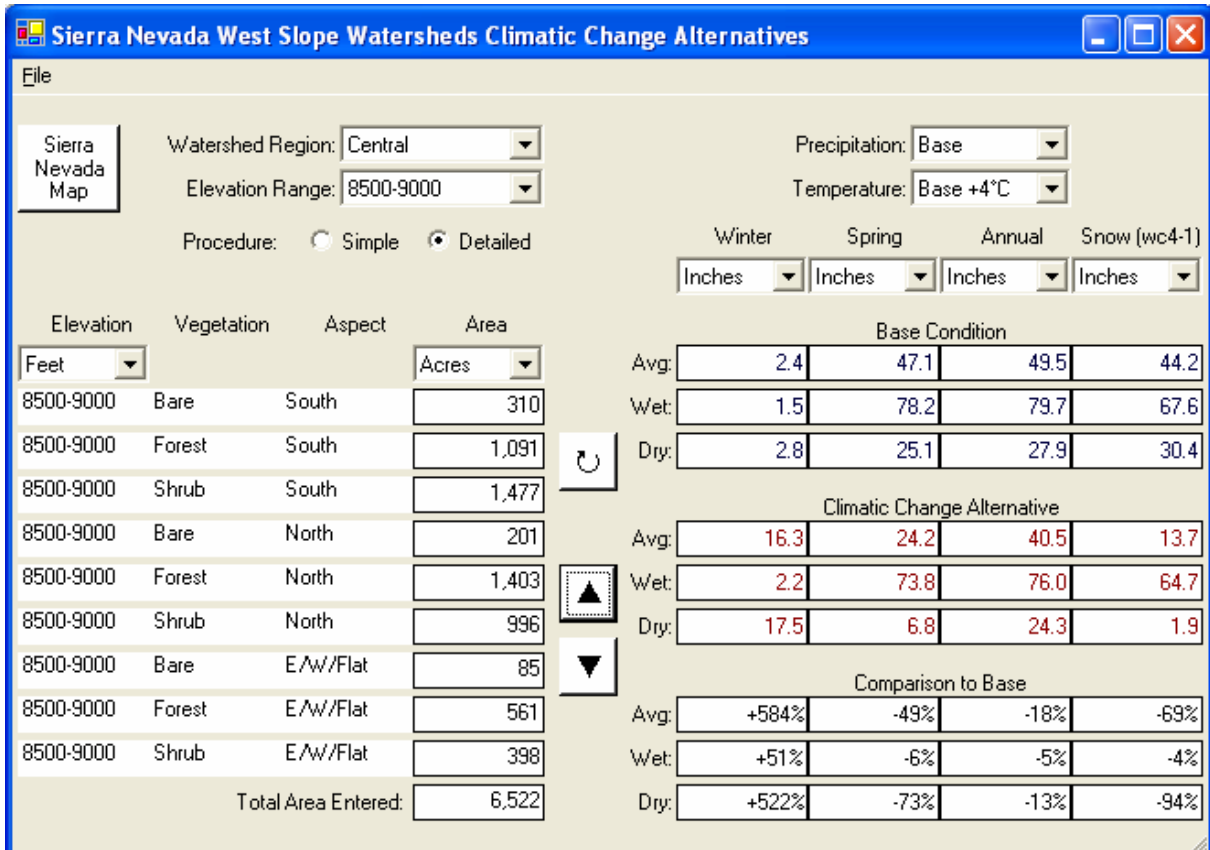
Stanislaus: 7000-7500 feet elevation profile, inches and acre-feet



Stanislaus: 7500-8000 feet elevation profile, inches and acre-feet

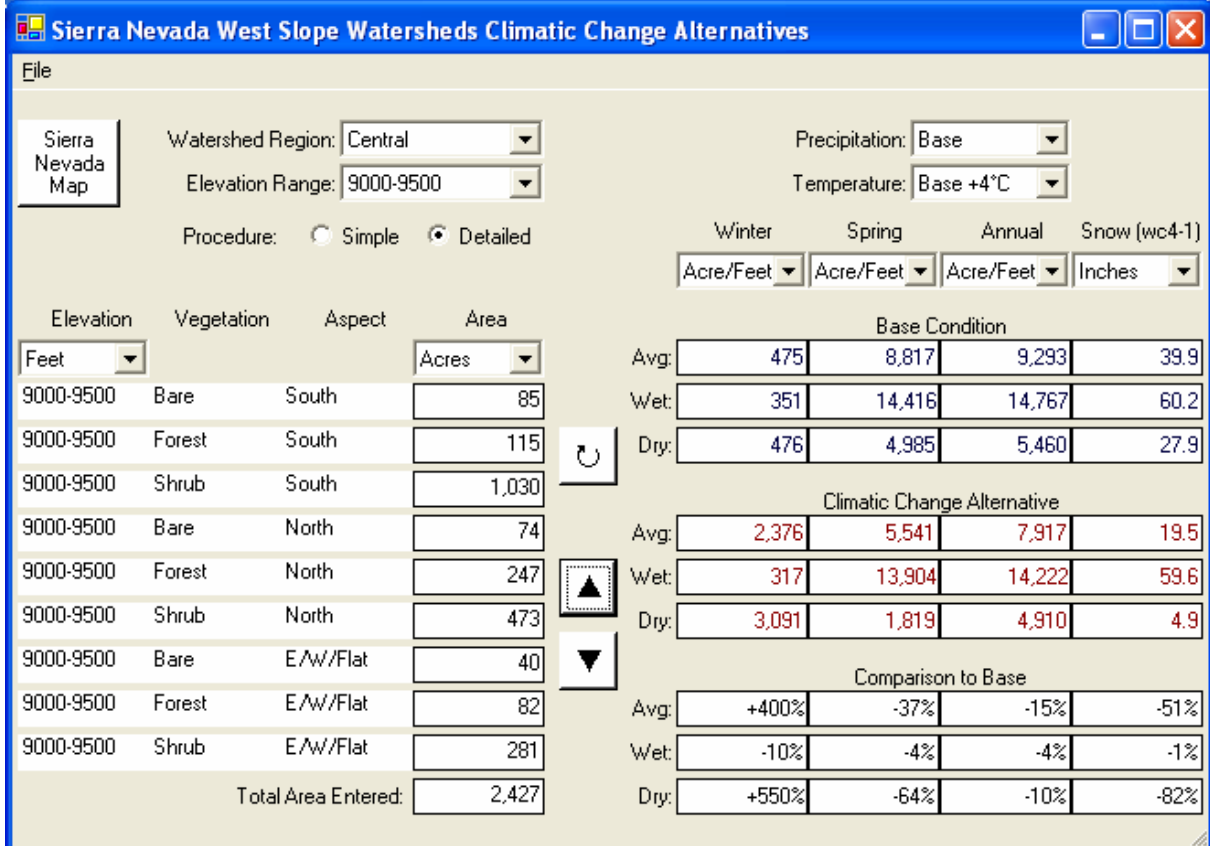
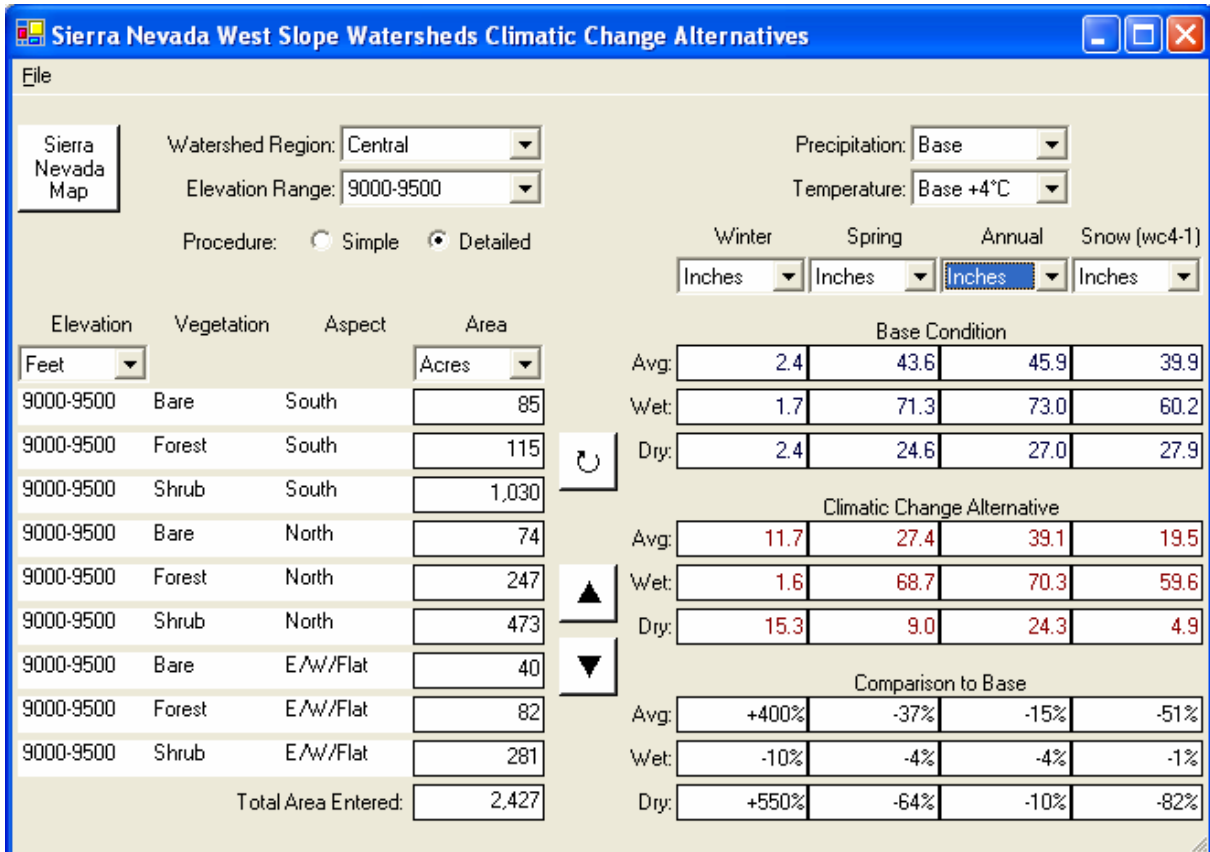


Stanislaus: 8000-8500 feet elevation profile, inches and acre-feet



Stanislaus: 8500-9000 feet elevation profile, inches and acre-feet





Stanislaus: 9000-9500 feet elevation profile, inches and acre-feet

**Sierra Nevada West Slope Watersheds Climatic Change Alternatives**

File

Sierra Nevada Map

Watershed Region: Central

Elevation Range: 9500-10000

Precipitation: Base

Temperature: Base +4°C

Procedure:  Simple  Detailed

Winter: Inches | Spring: Inches | Annual: Inches | Snow (wc4-1): Inches

Elevation	Vegetation	Aspect	Area	Base Condition			
Feet			Acres	Avg:			
9500-10000	Bare	South	9	2.3	39.6	41.9	36.6
9500-10000	Forest	South	7	2.0	64.3	66.3	54.6
9500-10000	Shrub	South	75	1.8	22.9	24.6	27.0
9500-10000	Bare	North	2	Climatic Change Alternative			
9500-10000	Forest	North	3	8.4	28.1	36.5	22.3
9500-10000	Shrub	North	25	1.7	62.5	64.2	54.3
9500-10000	Bare	E/W/Flat	3	12.1	10.3	22.4	7.6
9500-10000	Forest	E/W/Flat	3	Comparison to Base			
9500-10000	Shrub	E/W/Flat	13	+264%	-29%	-13%	-39%
Total Area Entered:			140	Wet:	-16%	-3%	-3%
				Dry:	+582%	-55%	-9%
							-72%

**Sierra Nevada West Slope Watersheds Climatic Change Alternatives**

File

Sierra Nevada Map

Watershed Region: Central

Elevation Range: 9500-10000

Precipitation: Base

Temperature: Base +4°C

Procedure:  Simple  Detailed

Winter: Acre/Feet | Spring: Acre/Feet | Annual: Acre/Feet | Snow (wc4-1): Inches

Elevation	Vegetation	Aspect	Area	Base Condition			
Feet			Acres	Avg:			
9500-10000	Bare	South	9	27	462	489	36.6
9500-10000	Forest	South	7	23	750	773	54.6
9500-10000	Shrub	South	75	21	267	287	27.0
9500-10000	Bare	North	2	Climatic Change Alternative			
9500-10000	Forest	North	3	98	328	426	22.3
9500-10000	Shrub	North	25	19	729	748	54.3
9500-10000	Bare	E/W/Flat	3	141	120	261	7.6
9500-10000	Forest	E/W/Flat	3	Comparison to Base			
9500-10000	Shrub	E/W/Flat	13	+264%	-29%	-13%	-39%
Total Area Entered:			140	Wet:	-16%	-3%	-3%
				Dry:	+582%	-55%	-9%
							-72%

Stanislaus: 9500-10000 feet elevation profile, inches and acre-feet

### Stanislaus Scenarios: Temperature increases only

**Sierra Nevada West Slope Watersheds Climatic Change Alternatives**

File

Sierra Nevada Map

Watershed Region: Central

Elevation Range: 10000-10500

Precipitation: Base

Temperature: Base +1°C

Procedure:  Simple  Detailed

Winter: Inches | Spring: Inches | Annual: Inches | Snow (wc4-1): Inches

Elevation	Vegetation	Aspect	Area	Base Condition			
Feet			Acres	Avg:			
10000-10500	Bare	South	0	6.1	43.9	50.0	38.1
10000-10500	Forest	South	0	1.6	83.4	85.0	72.1
10000-10500	Shrub	South	0	7.6	21.4	29.0	22.6
10000-10500	Bare	North	0	Climatic Change Alternative			
10000-10500	Forest	North	0	9.1	38.6	47.7	31.3
10000-10500	Shrub	North	0	2.9	81.1	83.9	69.7
10000-10500	Bare	E/W/Flat	0	10.8	17.3	28.1	15.9
10000-10500	Forest	E/W/Flat	0	Comparison to Base			
10000-10500	Shrub	E/W/Flat	0	+49%	-12%	-5%	-18%
Total Area Entered:			28,901	Wet:	+77%	-3%	-1%
				Dry:	+43%	-19%	-3%
							-30%

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**Sierra Nevada West Slope Watersheds Climatic Change Alternatives**

File

Sierra Nevada Map

Watershed Region: Central

Elevation Range: 10000-10500

Precipitation: Base

Temperature: Base +1°C

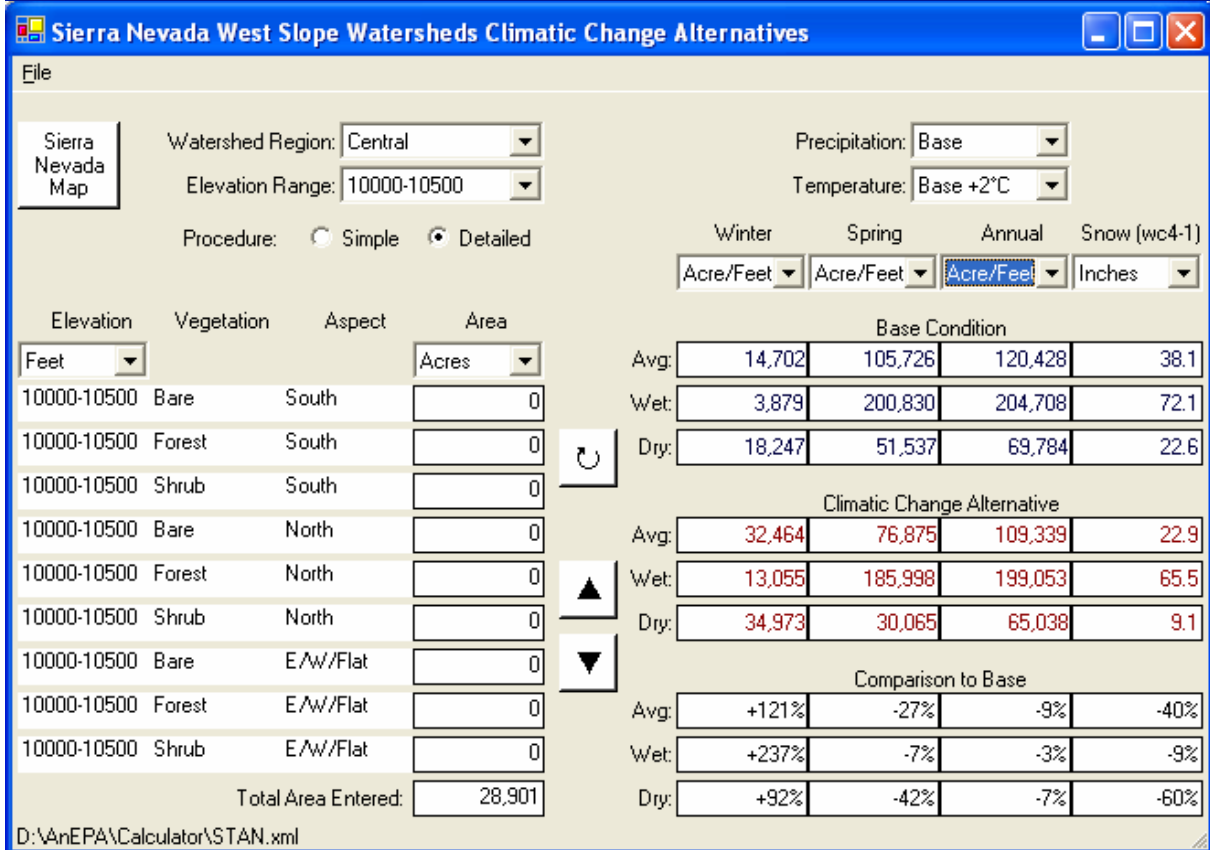
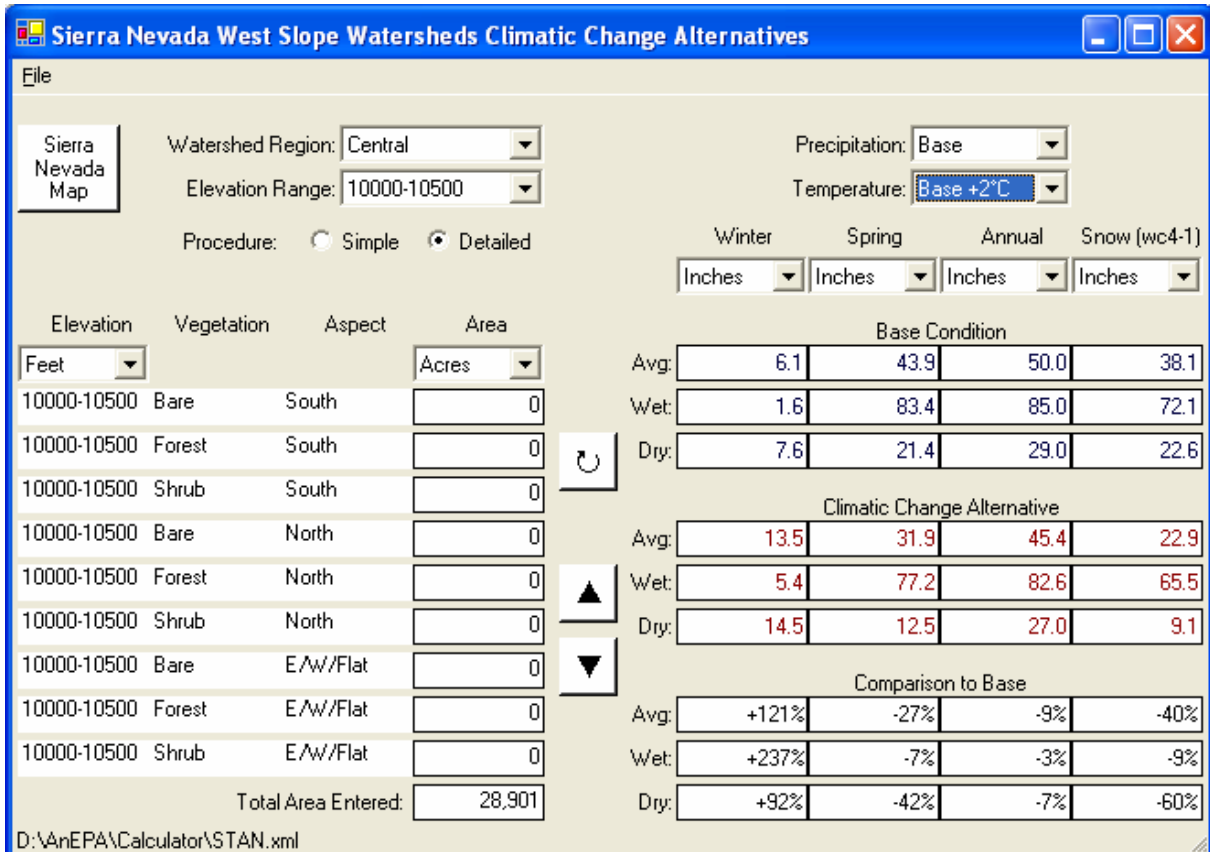
Procedure:  Simple  Detailed

Winter: Acre/Feet | Spring: Acre/Feet | Annual: Acre/Feet | Snow (wc4-1): Inches

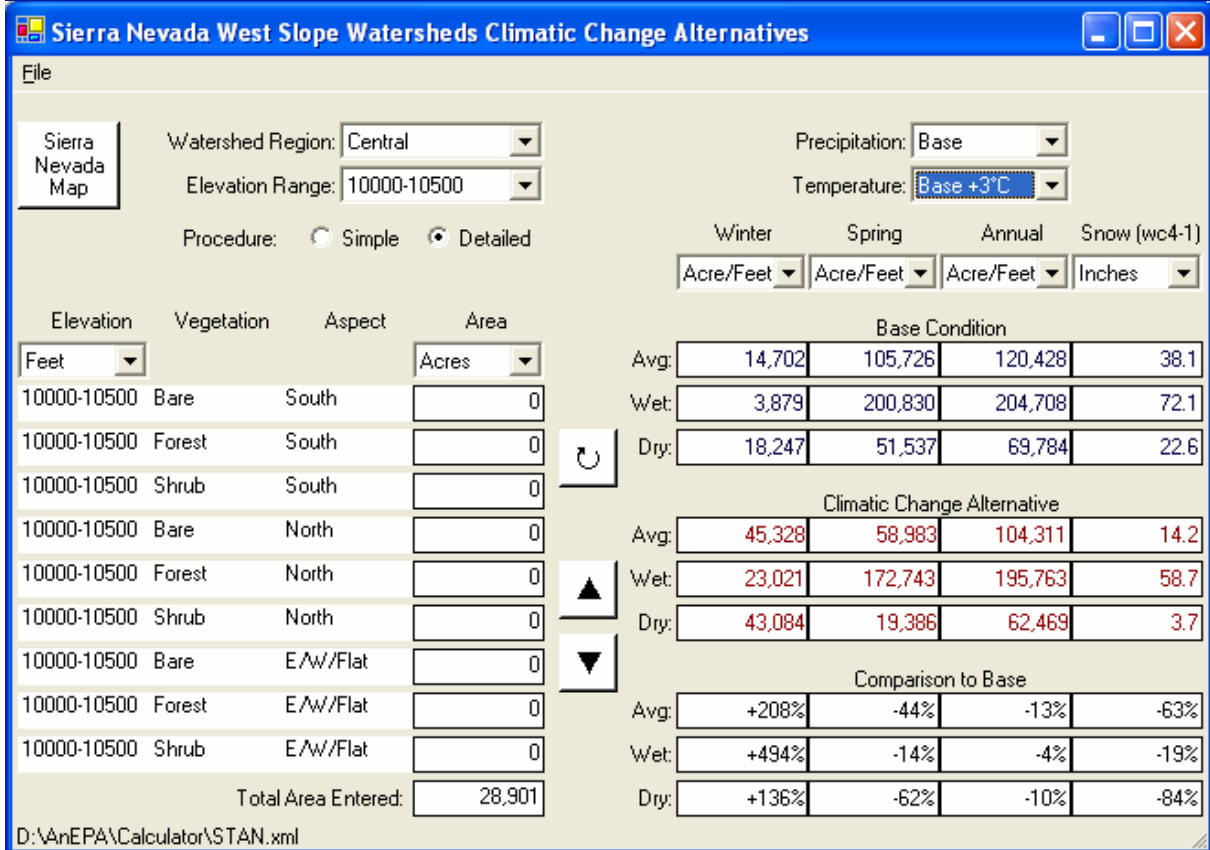
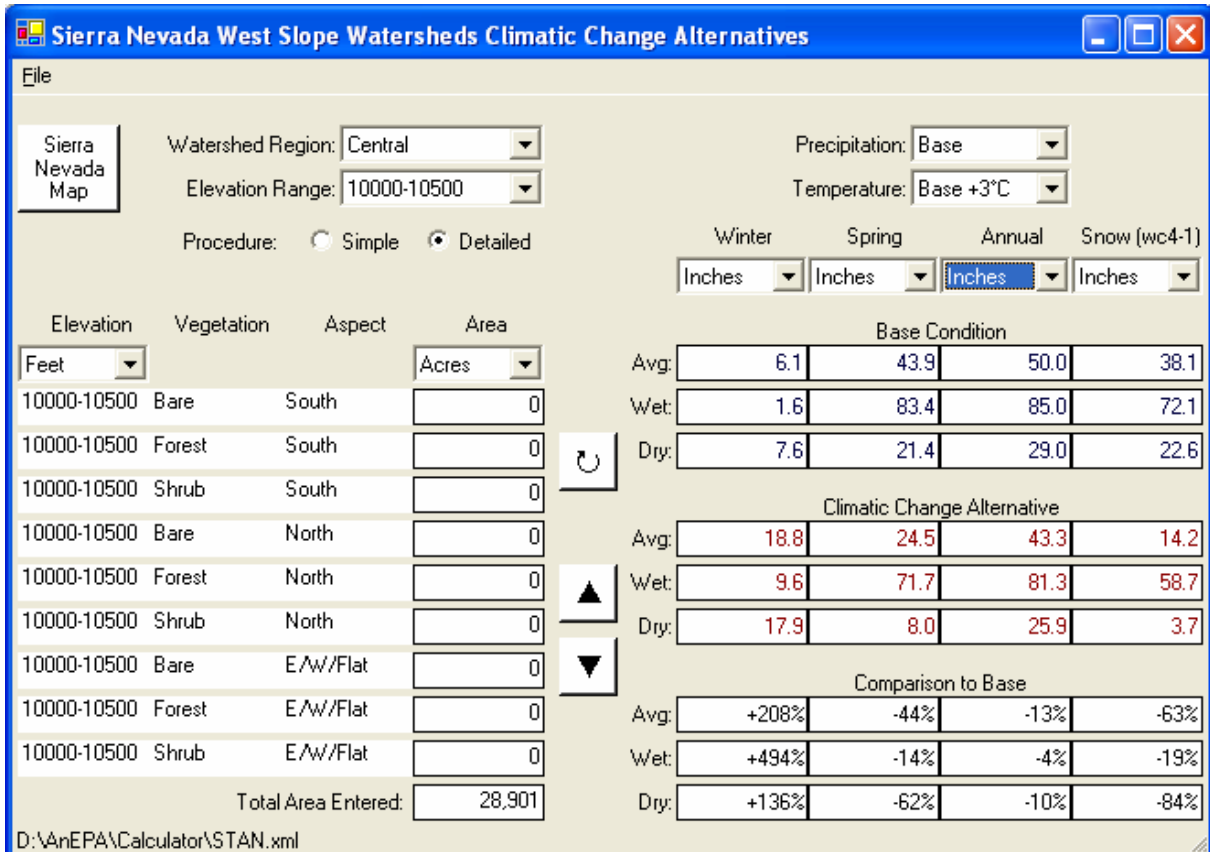
Elevation	Vegetation	Aspect	Area	Base Condition			
Feet			Acres	Avg:			
10000-10500	Bare	South	0	14,702	105,726	120,428	38.1
10000-10500	Forest	South	0	3,879	200,830	204,708	72.1
10000-10500	Shrub	South	0	18,247	51,537	69,784	22.6
10000-10500	Bare	North	0	Climatic Change Alternative			
10000-10500	Forest	North	0	21,957	92,900	114,857	31.3
10000-10500	Shrub	North	0	6,871	195,286	202,157	69.7
10000-10500	Bare	E/W/Flat	0	26,052	41,656	67,708	15.9
10000-10500	Forest	E/W/Flat	0	Comparison to Base			
10000-10500	Shrub	E/W/Flat	0	+49%	-12%	-5%	-18%
Total Area Entered:			28,901	Wet:	+77%	-3%	-1%
				Dry:	+43%	-19%	-3%
							-30%

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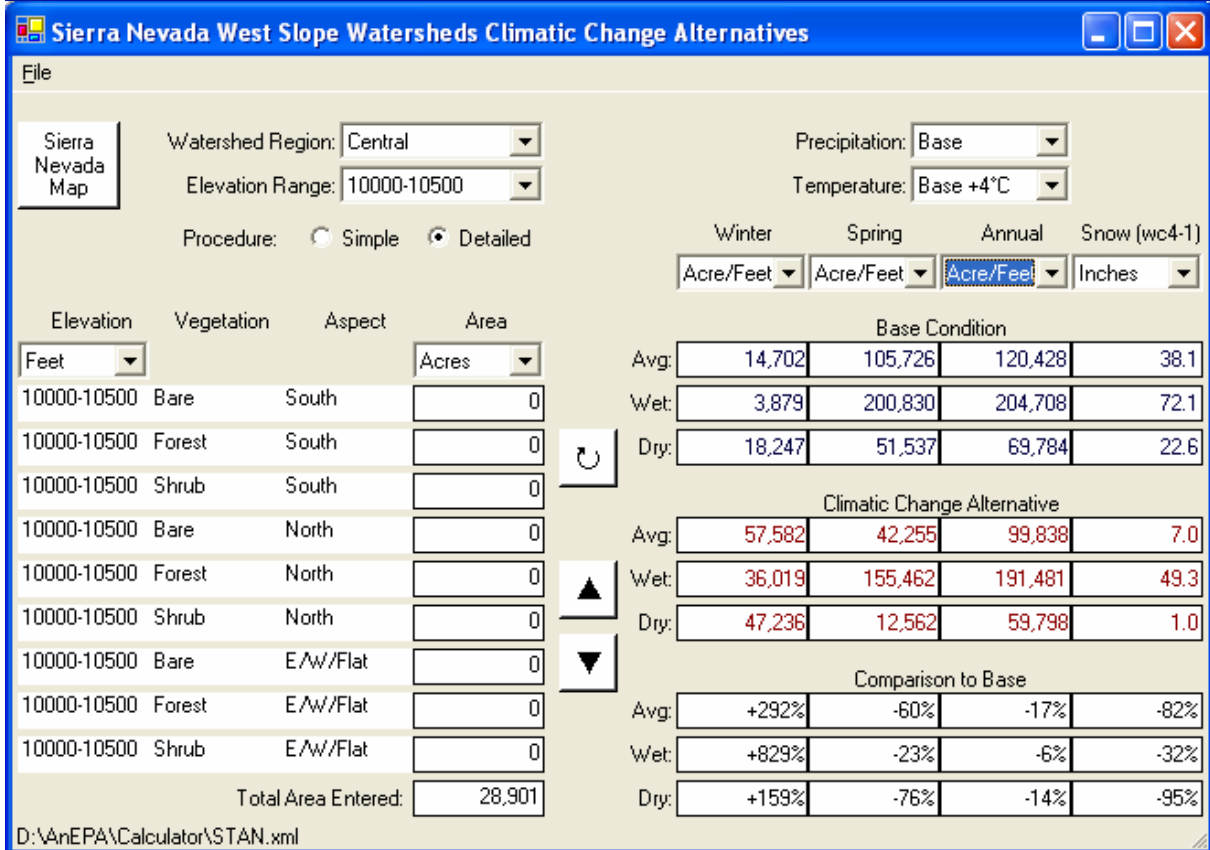
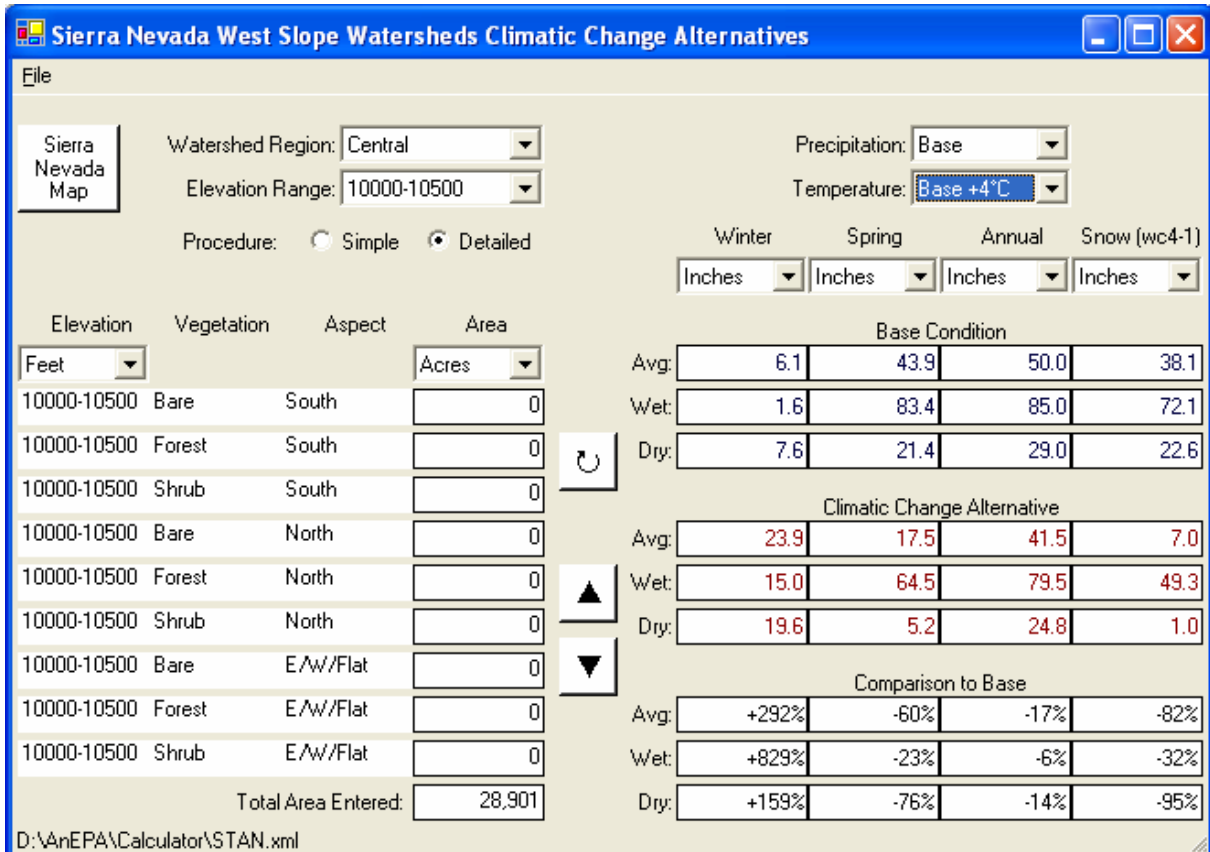
Scenario 1 degree C warming, inches and acre-feet



Scenario 2 degree C warming, inches and acre-feet



Scenario 3 degree C warming, inches and acre-feet



Scenario 3 degree C warming, inches and acre-feet