Table 2. Summary of DWM Scenario Comparisons with Coarse Grid Network.

				Grids with significant differences														
Scenario	Description	time	lvl	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Effects of adding raobs																	
1	SLC + TRC + sodar	200	sfc	x														
5	SLC ONLY		upr	x						x	x							
		1100	sfc															
			upr								x	x						
		1400	sfc	x														
			upr	x			x				x	x						
	Add lakeside stations																	
1	ALL	200	sfc															
2	w/o new sta's		upr	x														
		1100	sfc	x		x												
			upr	x		x		x								x		
		1400	sfc	x														
			upr	x					x								x	
	GAMMA calculations																	
1	Surface to 2000 m AGL	200	sfc															
3	Above surface inversion		upr															
		1100	sfc															
			upr															
		1400	sfc															
			upr	x														
	Mean winds (Herriman)																	
1	Raob levels (sfc - 2000 m AGL)	200	sfc	x														
7	Sfc winds from HE		upr	x														
		1100	sfc	x	x		x	x					x					
			upr	x														
		1400	sfc	x			x					x						
			upr	x														
	Mean winds (Cottonwood)																	
1	Raob levels (sfc - 2000 m AGL)	200	sfc	x	x	x	x	x			x		x	x	x	x	x	x
8	Sfc winds from HE		upr	x														
		1100	sfc	x			x	x			x		x		x	x	x	x
			upr	x														
		1400	sfc	x	x		x	x			x	x	x		x	x	x	x
			upr	x														
	Mean winds (Badger Island)																	
1	Raob levels (sfc - 2000 m AGL)	200	sfc	x														
9	Sfc winds from BI		upr	x														
		1100	sfc	x	x		x	x			x	x	x	x	x	x	x	x
			upr	x														
		1400	sfc	x	x			x			x	x	x	x	x	x	x	x
			upr	x														
	Compare CW and BI mean wind																	
8	Raob levels (sfc - 2000 m AGL)	200	sfc		x	x	x	x			x		x	x	x	x	x	x
9	Sfc winds from BI		upr															
		1100	sfc		x		x	x			x		x	x	x	x	x	x
			upr															
		1400	sfc		x		x	x			x	x	x	x	x	x	x	x
			upr															

Table 3. Summary of DWM Scenario Comparisons with Fine Grid Network.

				Grids with significant differences										
Scenario	Description	time	lvl	1	2	3	4	5	6	7	8	9	10	11
Add lakeside stations														
1 & 2		0200	sfc		x			x		x				
		1400	sfc	x	x		x	x		x				
Mean winds (Cottonwood)														
1 & 8		1600	sfc	x										
Mean winds (Badger Island)														
1 & 9		1600	sfc	x										x
Compare CW and BI mean wind														
8 & 9		0200	sfc											
Compare CW and BI mean wind														
8 & 9		1600	sfc											

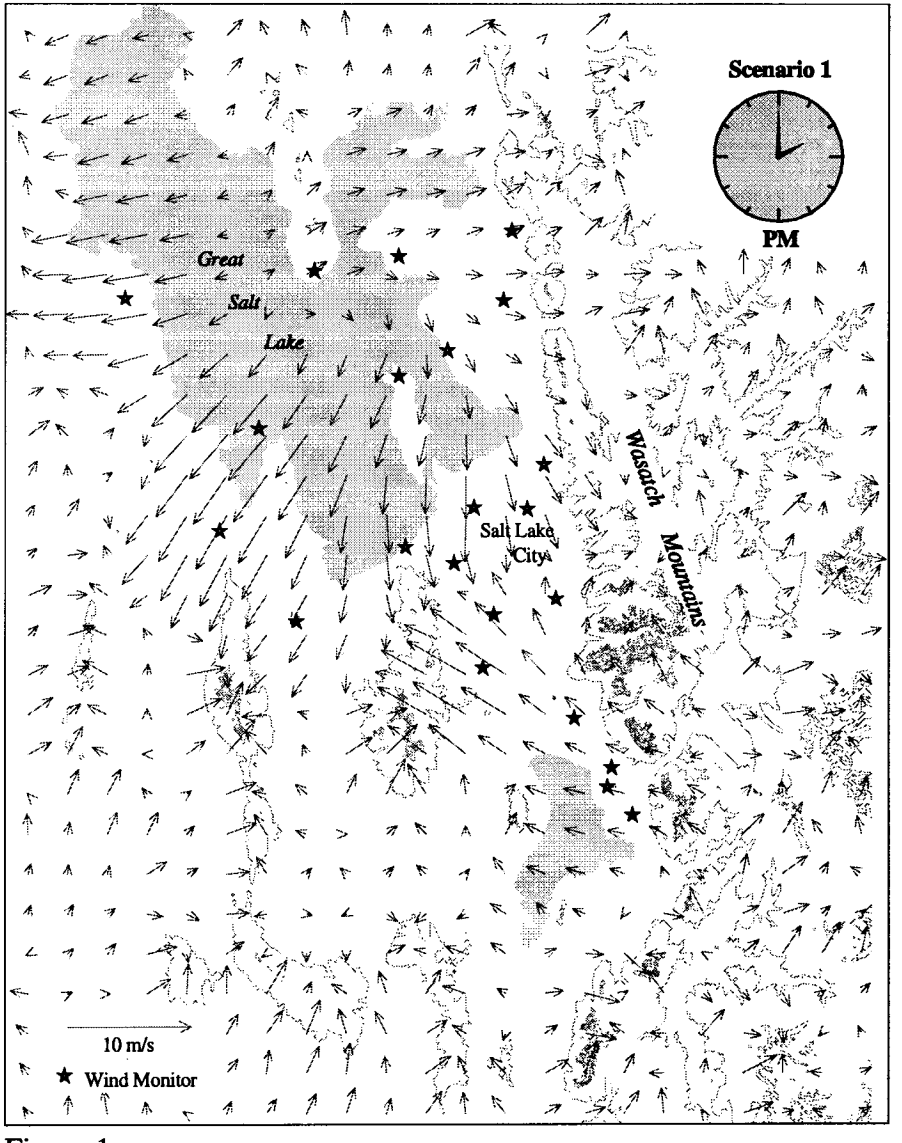

Figure 1

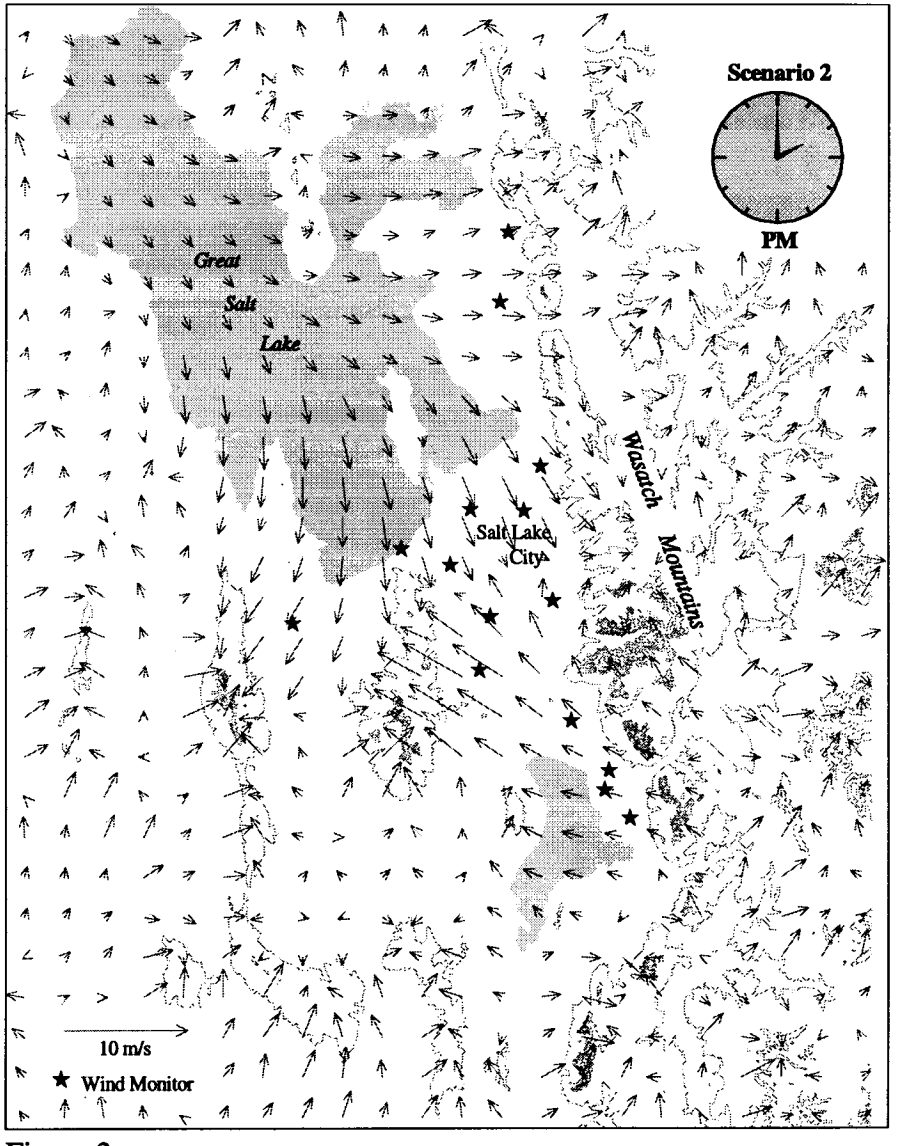

Figure 2

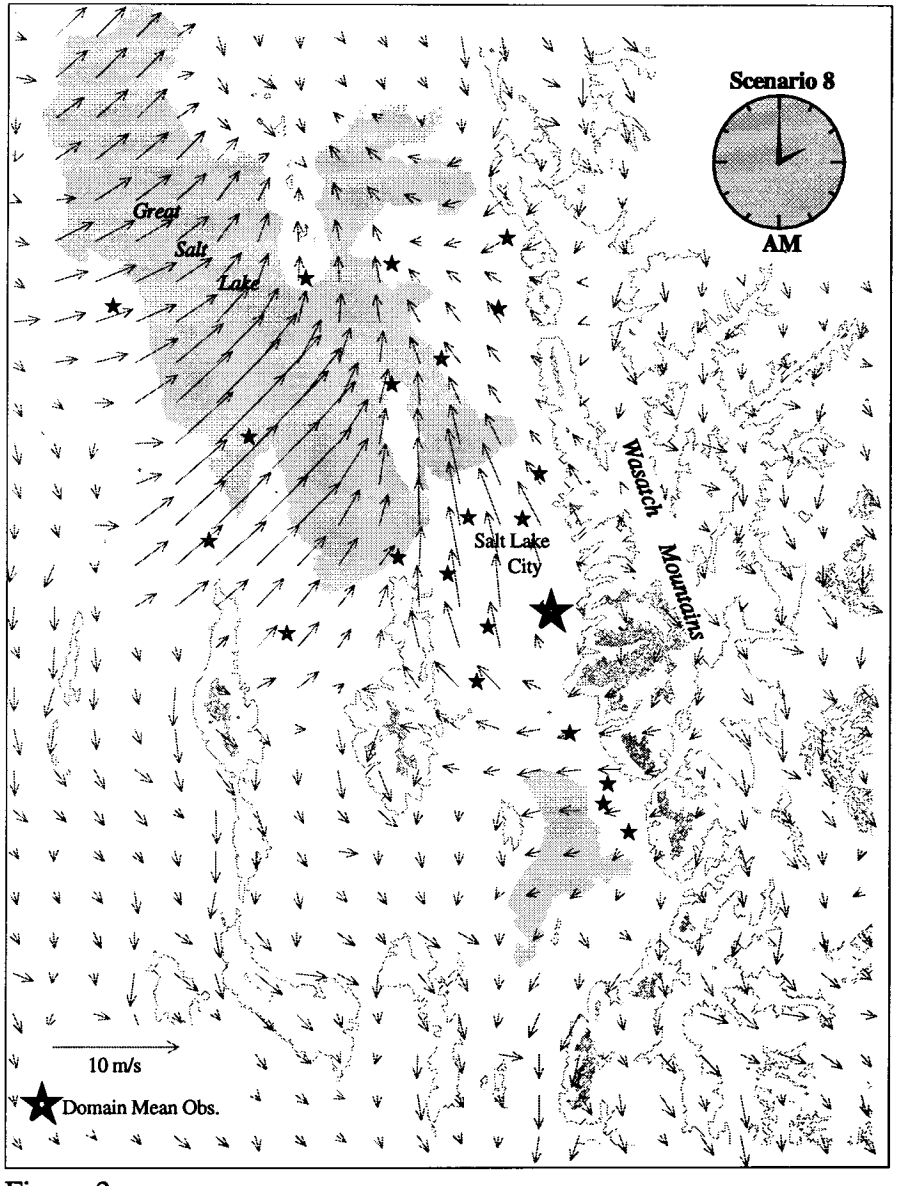

Figure 3

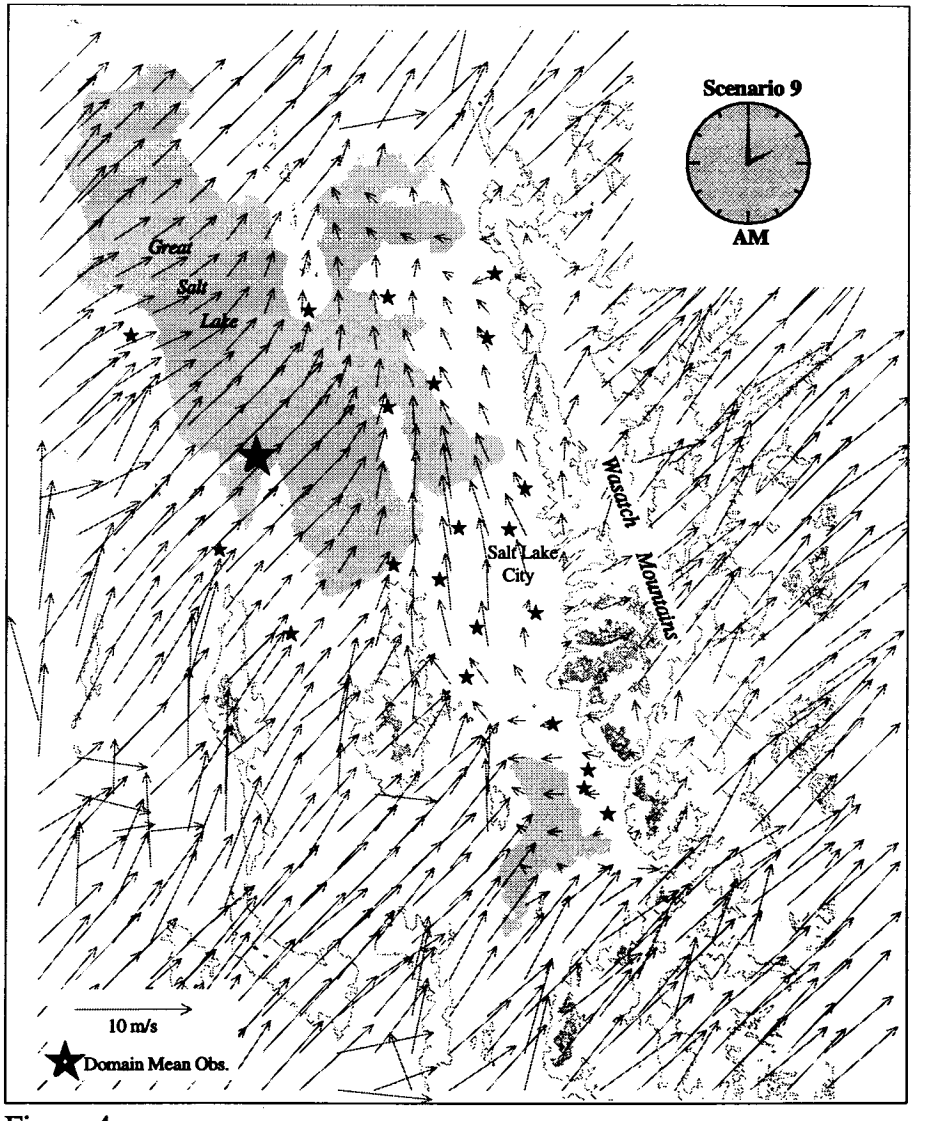

Figure 4

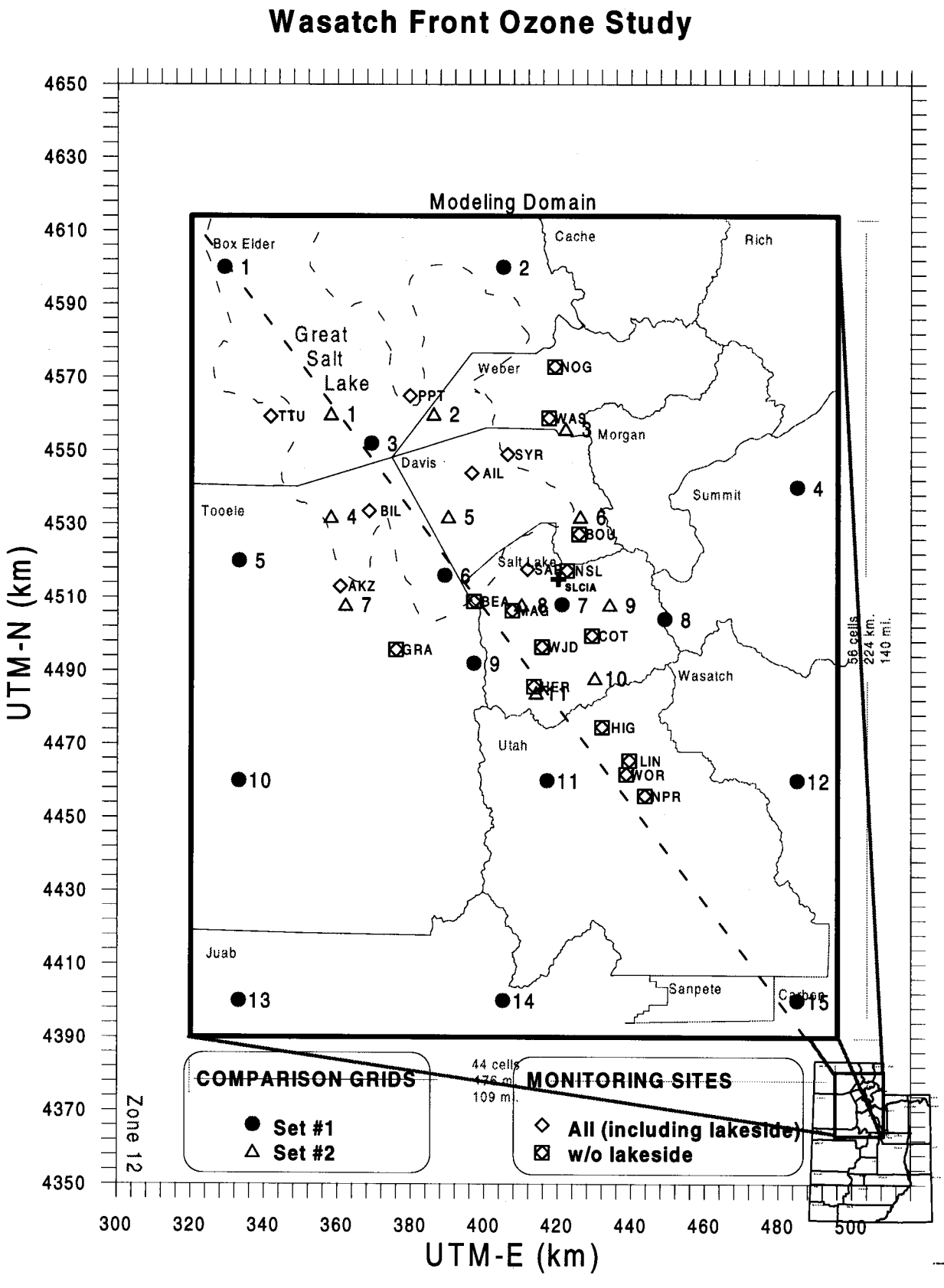

Figure 5. DWM Scenario Comparison-Grid and Monitoring Networks.