



Kern Council
of Governments



661-324-8215

School Site Data Collection Summary

Project Name:

What "Matters" Most

School Site:

Tropico Middle School

Sixth Grade Teachers:

Coffey

2013 PROJECT SUMMARY									
Group #, Teacher	Data Collection						Location of Highest Particulate Count	Discussion	Conclusion
	Avg. Temp.	Avg. Wind	Avg. AQI	Avg. Loc. 1	Avg. Loc. 2	Avg. Loc. 3			
Group 1 - Coffey	60°F	Breezy	41	711	1800	180	By the buses	The students believe the buses	
Group 2 - Coffey	60°F	Breezy	41	15	20	40	By the buses	and front of school had the	
Group 3 - Coffey	60°F	Breezy	41	1350	2700	75	Field	highest counts because of	
Group 4 - Coffey	60°F	Breezy	41	Light	med	heavy	By the buses	pollution from the buses	
Group 5 - Coffey	60°F	Breezy	41	no data	477	843	Fence in front of school	and cars that travel past	
Group 6 - Coffey	60°F	Breezy	41	27	12	23	Front of school	the school.	
Group 7 - Coffey	60°F	Breezy	41	40	30	80	Track		
Group 8								Thank you for allowing us	
Group 9								to participate	



Tropico Middle School
Rosamond, CA



School Site Data Collection Summary

Project Name: What "Matters" Most
 School Site: Tropico Middle School
 8th ~~Sixth~~ Grade Teachers: Troncale, Coffey

Period 1

2013 PROJECT SUMMARY									
Group #, Teacher	Data Collection						Location of Highest Particulate Count	Discussion	Conclusion
	°F Avg. Temp.	mph Avg. Wind	Avg. AQI	Avg. Loc. 1	Avg. Loc. 2	Avg. Loc. 3			
Group 1 Troncale	64°	12	48	189	35	121	Trees-Quad	More pollen particles	Trees highest
Group 2 Troncale	62°	12	48	30	100	—	Trees	More pollen particles	Tree area highest
Group 3 Troncale	64°	12	48	450	1458	—	Fence/Field	Some cards very high counts	Card from fence may have fallen in dirt
Group 4 Troncale	62°	12	48	219	189	—	Trees	More pollen particles	Trees highest
Group 5 Troncale	62°	12	48	156	77	—	Bus Area	Vehicle Emissions	
Group 6 Troncale	63°	13	48	351	147	348	Fence Field		
Group 7 Troncale	—	—	—	—	—	—	—	Group should redo, lost data sheet	Group did not analyze samples!
Group 8 Troncale	61°	13	48	3454	1470	840	Bus Area	Some cards pts more than others	Possible contamination
Group 9									

Period 3

Group	Temp	Wind	Ave AQI	1	2	3	Location	Notes
Group 10								
Group 11								
Group 1 Troncale	65° F	11 mph	44	607	360	621	Gym-Outside	higher counts due to dirt
Group 2 Troncale	65°	11 mph	—	1886	—	—	Bus Area	Some cards some data lost.
Group 3 Troncale	65°	—	—	—	—	—		close to dirt field / Buses
Group 4 Troncale	66°		48	323	225	540	Track/Field	More dirt / track
Group 5 Troncale	65°	11 mph	46.5	360	460	126	student's house	Bus area 2nd highest? Group did not complete analysis
Group 6 Troncale	—	—	—	—	—	—		Cart moves around field collected more particles
Group 7 Troncale	62°	8 mph	48	340	49	190	PE Golf Cart	PE Golf Cart
Group 8 Troncale	65°	8.5	46.5	50	110	30	Bus Area	Data Sloppy, answers counts changed
Group 9								
Group 10								
Group 11								
Group 1 Troncale	68°	11 mph	46	141	189	84	Field	Card from field / Track area, more dust.
Group 2 Troncale	68°	—	—	—	—	—	Gym area	Light particles
Group 3 Troncale	68°	—	46.5	860	192	1220	Cafeteria	Cafeteria should be more carefully tested
Group 4 Troncale	68°	—	48	80	504	—	Rosebush	High Pollen area
Group 5 Troncale	68°	breezy	46	647	1865	518	Track/Field	Excellent Data Collection and analysis!
Group 6 Troncale	70°	—	47	369	1422	972	Gym-Outside	higher counts - dust/cars
Group 7								
Group 8								
Group 9								
Group 10								
Group 11								

Period 4

Group did not complete analysis of remaining cards.

Cart moves around field collected more particles
 Data Sloppy, answers counts changed

Card from field / Track area, more dust.
 Group did not complete analysis
 Cafeteria should be more carefully tested
 Rosebush - pollen
 Excellent Data Collection and analysis!
 Good Data reporting

Tropico Middle School
Rosamond, CA



School Site Data Collection Summary

Project Name:

What "Matters" Most

School Site:

Tropico Middle School
Troncale, Coffey

8th

Sixth Grade Teachers:

2013 PROJECT SUMMARY									
Group #, Teacher	Data Collection						Location of Highest Particulate Count	Discussion	Conclusion
	°F Avg. Temp.	Avg. Wind	Avg. AQI	Avg. Loc. 1	Avg. Loc. 2	Avg. Loc. 3			
Group 1, Troncale	69°F	5mph	45	104	666	417	outside Choir Room	Location between buildings High	May need to recheck this area for pollutants Group did not complete analysis
Group 2 Troncale	69°F	Breezy	46.5	278	—	—	Gym-Outside		
Group 3 Troncale	—	—	—	8	13	7	Trees, Rm 5	Count may not be accurate.	Group did not complete analysis
Group 4 Troncale	69°F	7mph	46.5	21	379	45	BUS Area	Possible car emissions and buses	
Group 5 Troncale	69°F	—	46.5	111	608	346	Outside Choir Room	May need to retest this area	Good Data Reporting!
Group 6 Troncale	69°F	6mph	45	160	252	90	BUS Area		
Group 7 Troncale	69°F	7mph	Good	200	12	313	Outside Gym	Dust/Car Emissions	May need to recheck this area for pollutants Group did not record locations
Group 8 Troncale	69°F	—	46.5	361	120	671	—		Data not usable
Group 9 Troncale	68°F	—	46.5	379	135	558	BUS Area	only one sample left at each location	Data recording unclear.

Period 6

Ave (°F) Temp Ave Wind (mph) Ave AQI ↓ 2 3
 What "Matters" Most Data Collection Summary Sheet

Group 7

Group	Ave (°F) Temp	Ave Wind (mph)	Ave AQI	1	2	3	Notes	Analysis
Group 10								
Group 11								
Group 1 Troncale	70	9 mph	46.5	201	126	185	Bus Area	Some data lost. Completed analysis
Group 2 Troncale	70	9	46.5	274	252	68	Pole on Field & Trees	2 areas similar
Group 3 Troncale	70	7	46.5	66	47	28	Bus Area	1 area sampled
Group 4 Troncale	70	8	46.5	1698	697	—	Bus Area	Last
Group 5 Troncale	70	9	46.5	162	—	168	Field Fence / water Fountain	2 Areas similar
Group 6 Troncale	70	9	47	387	948	810	Track/Field	Good Data reporting techniques
Group 7 Troncale	70	9	46.5	—	—	477		NO comparison Data
Group 8 Troncale	70	9	46	35	65	—	Gym Outside	Did not complete Analysis Data Analysis unclear
Group 9								
Group 10								
Group 11								
Group 1								
Group 2								
Group 3								
Group 4								
Group 5								
Group 6								
Group 7								
Group 8								
Group 9								
Group 10								
Group 11								