

# Summary of Wind Direction, PM10, Metals, and Explosives Detections at Boundary Monitoring Station

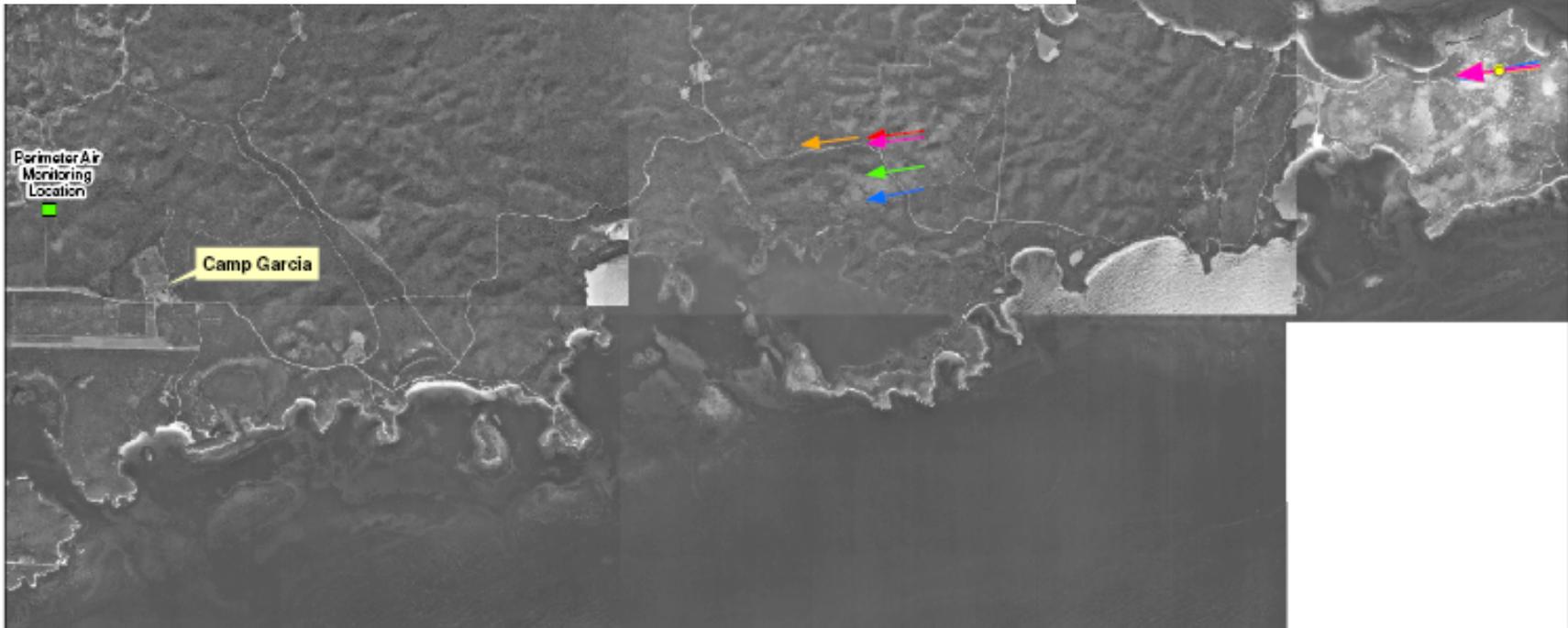


- **Summary is from April 2007 through December 2007 for PM10**
  - April 2007 through September 2007 data for metals and explosives.
- **Wind direction from 5 of 13 events was in the direction of the boundary monitoring station (within 15° N or S).**
- **For the 5 events where boundary station was downwind:**
  - All data for PM10, metals, and explosives were either non-detect or below health based levels.
  - Highest PM10 measurements were 17.73 ug/m<sup>3</sup> which is well below the health based criteria of 150 ug/m<sup>3</sup>.
  - Highest metal detection (iron) was 0.19 ug/m<sup>3</sup> which is well below the health based criteria of 140 ug/m<sup>3</sup>.
  - No explosives were detected.
  - There was no significant difference between downwind data and other data.

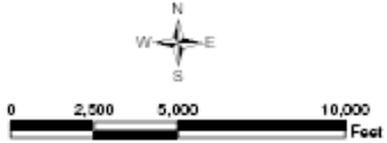
April 2007 through December 2007 Air Monitoring Data for Perimeter Monitoring Location

	Number of Events Data Available (1)	Number of Events Wind was in Direction of Monitor and Data Available (2)	Range (ug/m3) for all Events	Range (ug/m3) for Events with Wind in Direction of Monitor	Screening or Health Based Guidance Level (ug/m3)
PM10	13	5	1.84-19.82 (a)	1.84-17.73	150
Iron	9	3	0.021-0.2	0.023-0.19	140
Nickel	9	3	0.006-0.02	0.006 (b)	70
Copper	9	3	0.004-0.6	0.007 (c)	70
Arsenic	9	3	0.004 (b)	ND	0.7

- (1) - lab data for last quarter not available at this time
- (2) - within 15 degrees North and South of monitor
- ND - not detected
- (a) - detected day prior to demo event
- (b) - only one detection
- (c) - two detections of same concentration



- Legend**
- ← Wind direction
  - 6/08/07
  - 7/13/07
  - 8/17/07
  - 10/18/07
  - 12/19/07



Wind Direction