



**Expert Weather Report**  
**Slip and Fall**

Written for:

The intersection of Kings Highway & Ocean Avenue  
Brooklyn, New York 11229  
February 10-13, 2006

Case/Claim Reference:  
ABC vs XYZ / 1234567

Report Prepared For:  
XYZ Law Offices  
Attention: Charles Nelson

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## ***Report Profile***

**Date Report Prepared:** January 1, 2008

**Report Written For:** XYZ Law Offices  
123 Cumulus Street  
Sun City, Florida 11111  
Attention: Charles Nelson

**Case/Claim Reference:** ABC vs XYZ / 1234567

**Date of Incident:** February 13, 2006

**Time of Incident:** 6 AM EST

**Time Period of Analysis:** February 10-13, 2006

**Incident Location:** Intersection of Kings Highway & Ocean Avenue – Brooklyn, New York 11229

**Incident Type:** Slip & Fall

## ***Abstract***

After a thorough investigation of all weather data and information during the period February 10-13, 2006 it has been determined that on February 13, 2006 at 6 AM EST (date and time of the loss) approximately 16 inches of snow and ice existed on undisturbed, untreated, exposed outdoor surfaces. In addition, at this time, the sky was clear, no precipitation was occurring, the visibility was unrestricted to the horizon, winds were sustained at approximately 10 mph, and the temperature was approximately 20°F.

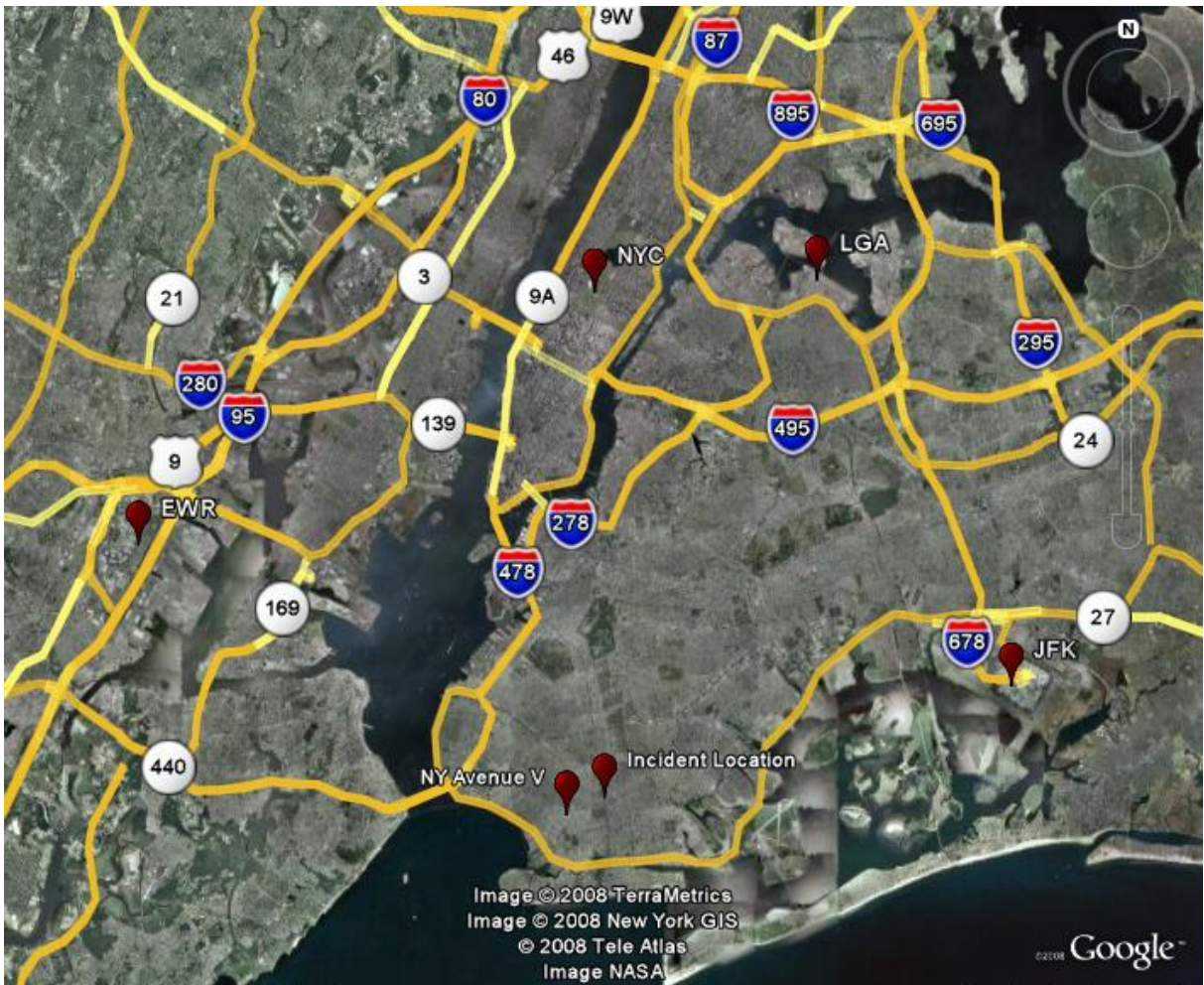
## ***Introduction***

This analysis is based on weather data gathered in the vicinity of the intersection of Kings Highway and Ocean Avenue – Brooklyn, New York during the period February 10-13, 2006 (date of the incident and 3 days prior). All data used in this analysis is official and certifiable National Weather Service (NWS) data. This analysis required the use of surface weather observations, special weather statements, advisories, storm data and surface maps. The following is a list of all

data sites utilized in this report followed by their approximate distance from the incident site.

- NY Avenue V Brooklyn – Brooklyn, New York – 1 mile
- JFK International Airport – Queens, New York (JFK) – 9 miles
- LaGuardia Airport – Queens, New York (LGA) – 12 miles
- Central Park Observatory – Manhattan, New York (NYC) – 12 miles
- Newark International Airport – Newark, New Jersey (EWR) - 13 miles

**Map of Reporting Sites & Incident Location**



## *Synoptic Overview*

On Friday February 10, 2006, a weak cold front was oriented from west to east approximately 80 miles north of the New York Metropolitan Area. The front became stationary over the Lower Hudson Valley of New York by the afternoon hours on the 10<sup>th</sup>. Weak High Pressure was anchored over the Southeastern seaboard throughout the day on February 10<sup>th</sup>, while a storm system was becoming organized over the Central Gulf Coast States. On Saturday February 11, 2006 the storm system gradually strengthened and moved into the Southeastern States during the morning hours. By late afternoon the storm system was pushing through the Carolinas and began spreading light snow into the New York Metropolitan area. By the late evening hours on the 11<sup>th</sup>, the storm system moved off the Mid-Atlantic Coast and rapidly strengthened into a major Nor'Easter before slowly tracking northward up the Eastern Seaboard during the morning hours of February 12<sup>th</sup>. By the evening hours on February 11<sup>th</sup> the New York Metropolitan area was experiencing heavy snow and a blizzard warning was in effect for the area. On Sunday February 12, 2006 the Nor'Easter moved from a position just east of the DelMarva Peninsula to a position approximately 200 miles east of the New York Metropolitan area by midday. By late afternoon on the 12<sup>th</sup> the storm moved to a position just east of Cape Cod. During this time period high winds and very heavy snow was experienced across the New York Metropolitan area. By early Monday morning, February 13, 2006, the storm raced off into the Canadian Maritimes while high pressure gradually built over the New York Metropolitan area through the remainder of the day.

## *Weather Analysis*

On February 10, 2006, no snow or ice was present at the start of the day. Light snow showers and flurries occurred between 1:30 AM EST and 3:10 AM EST. Approximately a trace (less than 0.1 inch) of snow fell during this time. As a result a trace (less than 0.1 inch) of snow was present on the ground in patches through approximately 11 AM EST. At this time the temperature exceeded 32° F (freezing point) and the snow melted into a liquid state. The temperature ranged from a morning low of around 26° F to an afternoon and evening high of around 38° F. As a result of melting and evaporation, no snow or ice was present at the end of the day. On this day the National Weather Service (NWS) issued a Blizzard Watch in effect for the area from the afternoon hours of February 11th through the morning hours of February 12th.

On February 11, 2006, no snow or ice was present at the start of the day. Snow began around 3 PM EST and continued steadily through the remainder of the day. Approximately 2.4 inches of snow fell during this time, and as a result approximately 2.4 inches of snow was present on the ground at the end of the

day. The temperature ranged from an afternoon high of around 38° F, to a late evening low of around 30° F. By the afternoon hours the NWS issued a Blizzard Warning in effect from 9 PM EST on this day through 4 PM EST on February 12th.

On February 12, 2006, approximately 2.4 inches of snow was present on the ground at the start of the day. Snow continued to fall from the previous day and fell heavily at times through around 4:30 PM EST. In addition, winds gusted to as high as 40 mph at times creating significant blowing and drifting of the snow that fell. Approximately 15.8 inches of snow fell on this day, and the temperature held nearly steady in the mid to upper 20's F. A NWS Blizzard Warning was in effect through 4 PM EST on this day. As a result of the snow that fell, along with some minor compaction, approximately 17 inches of snow was present on the ground at the end of the day.

On the date of the incident, February 13, 2006 approximately 17 inches of snow was present on the ground at the start of the day. No precipitation occurred and the temperature ranged from a morning low of around 20° F, to an afternoon and evening high of around 36° F. As a result of melting, refreezing and compaction, approximately 14 inches of snow and ice was present on the ground at the end of the day. At 6 AM EST (time of the incident) the sky was clear, the temperature was around 20° F, visibility was unrestricted to the local horizon, and winds speeds were generally 10 mph. In addition, approximately 16 inches of snow was present on the ground at this time. Although no snow or ice fell on this day, wind speeds of 10-20 mph between midnight and the time of the incident likely caused some minor blowing and drifting of pre-existing snow in open areas during this time period. There were no National Weather Service Winter Weather advisories in effect on this day.

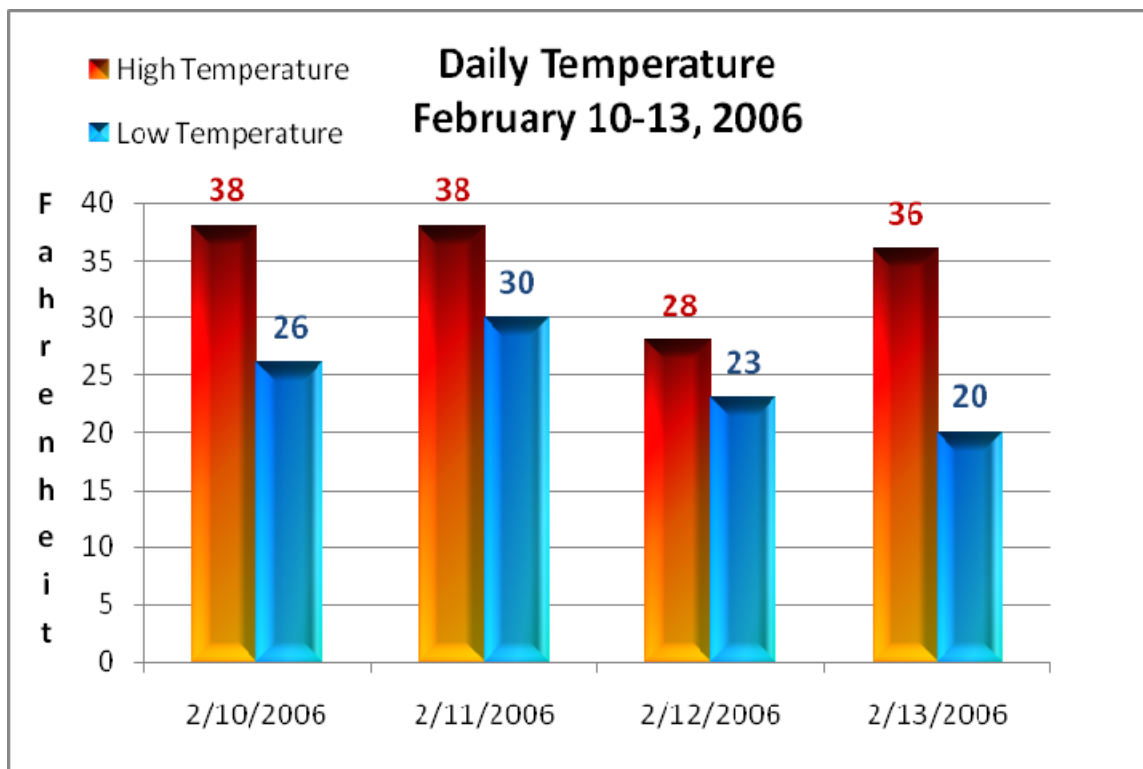
\*Snow and ice depth is defined as snow and ice on undisturbed, untreated, exposed outdoor surfaces.

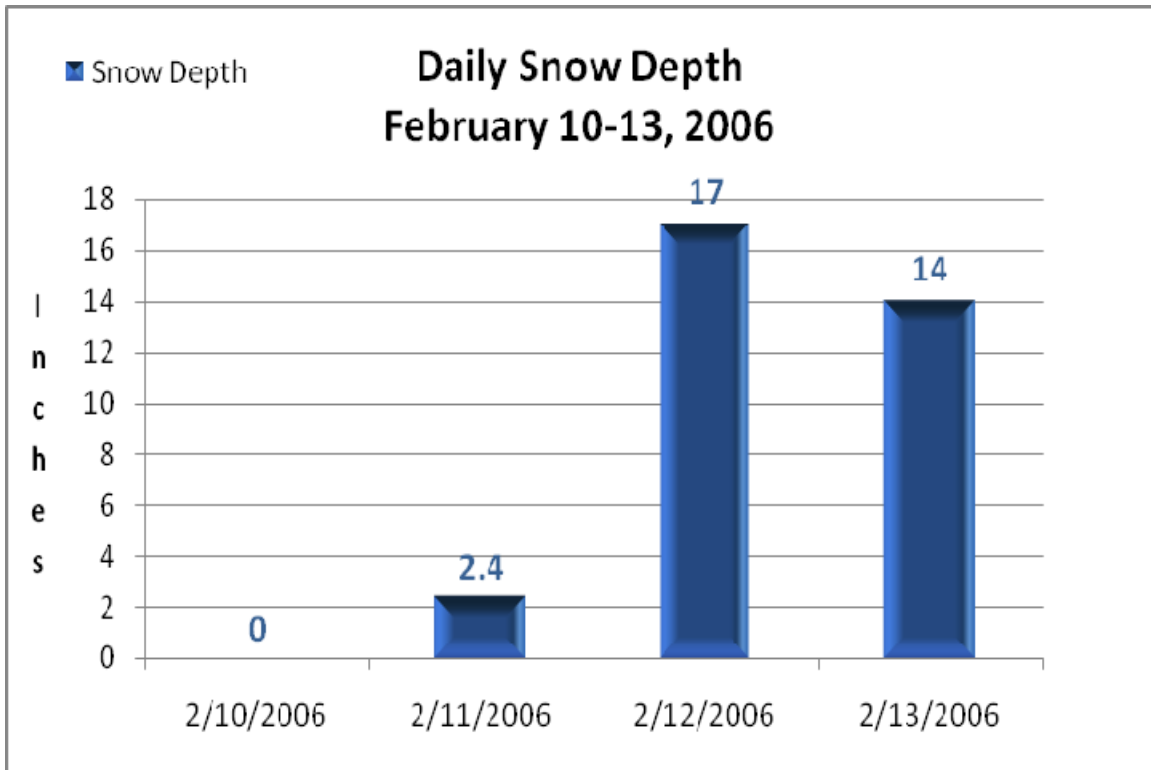
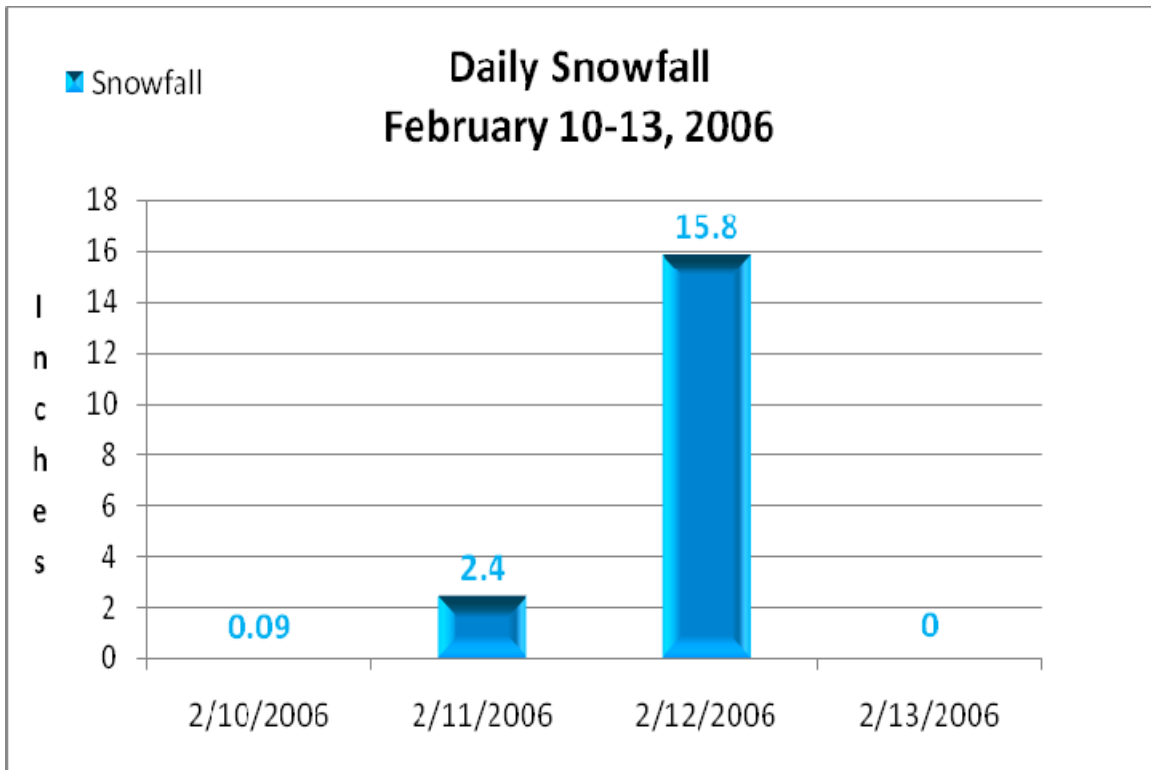
### Tabular Analysis

The following is a table of daily high/low temperature (° F), liquid equivalent precipitation (inches), snowfall (inches) and snow depth (measured in inches at the end of the day) for the period February 10-13, 2006. Note that a trace is defined as less than 0.01 inch of liquid equivalent precipitation, less than 0.1 inch of snowfall, and less than 0.5 inch of snow depth on the ground.

Date	High	Low	Liquid Precipitation	Snowfall	Snow Depth
2/10	38	26	Trace	Trace	0
2/11	38	30	0.24	2.4	2.4
2/12	28	23	1.58	15.8	17
2/13	36	20	0	0	14

### Graphical Analysis





## ***Conclusion***

After a thorough review of all available data it can be concluded that on February 13, 2006 at 6 AM EST (date and time of the incident), approximately 16 inches of snow and ice existed on undisturbed, untreated, exposed outdoor surfaces. This snow and ice was the result of a major Nor'Easter that impacted the region from the approximately 3 PM EST on the 11<sup>th</sup> through approximately 4:30 PM EST on the 12<sup>th</sup>. In addition, at the time of the incident, the sky was clear, no precipitation was occurring, the visibility was unrestricted to the local horizon, winds were sustained at approximately 10 mph, and the temperature was approximately 20° F. Also note that although no snow fell on this day, wind speeds of 10-20 mph between midnight and the time of the incident likely caused minor blowing and drifting of snow in open areas during this time period.



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