HISTORICAL "LIVE TWEET"

The Wreck of the Edmund Fitzgerald

ANATOMY

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Coming Up with the Idea

- Spawned from the live tweets from NWA/AMS conferences
 - #NWAS13 #AMS14 #NWAS14
- Thought it would work out well with the Edmund Fitzgerald
 - But with the short turn around, saved for the following year
- Focused on Twitter due to its chronological timeline
 - Maintained the ability to see the tweets as they occur and the real-time

Why the Edmund Fitzgerald?



- Worst marine incident in the Great Lakes in the last 48 years
 - 29 crewmembers lost
 - Integral part of Upper Michigan history
- Always a lot of interest in the Edmund Fitzgerald
 - "The Wreck of the Edmund Fitzgerald" Gordon Lightfoot
 - Some mystery in what exactly happened
- Goal: provide an interesting and informative timeline of the last few days of the Edmund Fitzgerald

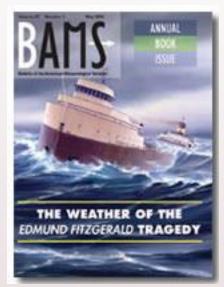
Developing the Live Tweet

- Had a great foundation with the paper by Hultquist-et al. (2006)
 - Supplemented with information from:
 - National Transportation and Safety Board (NTSB) report
 - Past NWS forecasts and other facts
- Stuck to general information and weather observations
 - This was to avoid providing any opinions on the reason it sunk.

NWS Forecast - Nov. 10, 1975 at 4:39am

LAKE SUPERIOR STORM WARNINGS IN EFFECT WEST HALF... NORTHERLYYWINDS 38 TO 52 KNOTS BECOMING NORTHWESTER LY 25 TO 40 KNOTS TODAY AND NORTHWEST TO WEST 23 TO 35 KNOTS TOMIGHT. CLOUDY. SNOW SQUALLS. WAVES 8 TO 16 FEET. FAST HALF... SOUTHEASTERLY WINDS 28 TO 35 KNOTS SHIFTING TO

NORTH TO NORTHWEST THIS MORNING AND INCREASING TO 38 TO 50 YNOTS THIS AFTERNOON. WINDS BECOMING NORTHWEST TO WEST 25 TO 41 KNCTS TONIGHT. RAIN OCCASIONALLY MIXED WITH SNOW TODAY, SNOW SOUALLS TONIGHT. WAVES 8 TO 15 FEET.



Developing the Live Tweet – cont.

Follow

- Developed the tweets based off the most important items
 - Gathered appropriate images
- Determining HashTag •
 - May have been one of the harder things
 - Due to length of Edmund Fitzgerald and character limit of Twitter
 - Kicked around several options
 - Settled on #EdmundFitz1975
- TweetDeck •
 - Used to schedule all of the tweets
 - Had 65% of the posts time to the exact time they occurred 39 years earlier



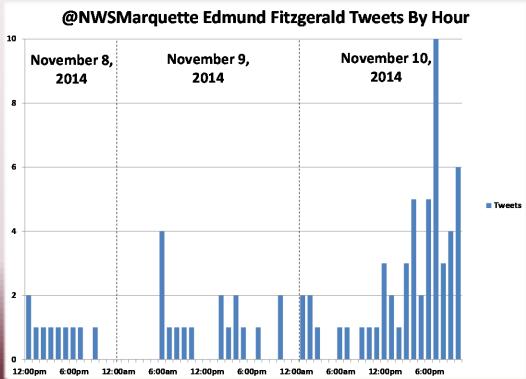


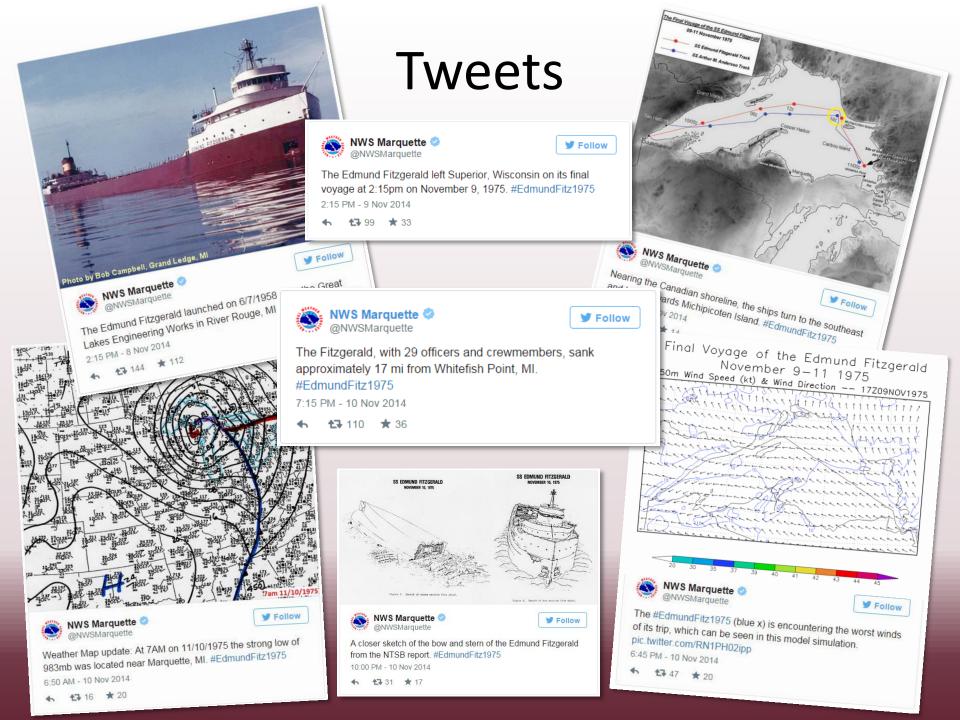
The Fitzgerald reported northeast winds at 52 knots and 10 foot waves at 1:00 am on 11/10/1975, #EdmundFitz1975 1:05 AM - 10 Nov 2014 15 25 ★ 15

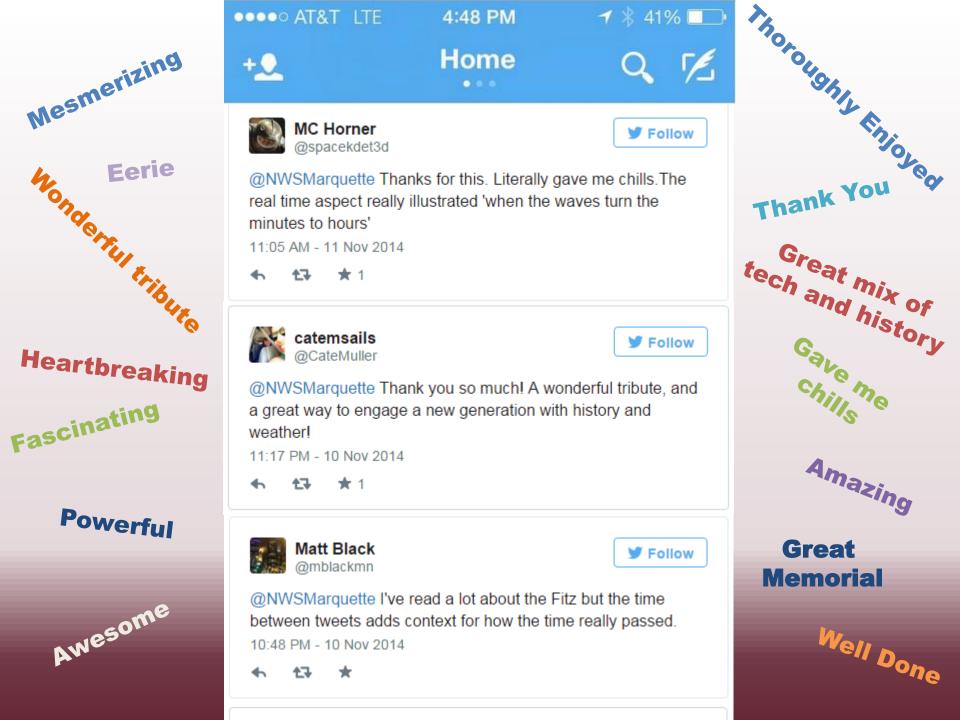


Brief Overview of the Live Tweet

- 85 Tweets issued over a 4 day period from November 7-10, 2014
 - 4 advertisements
 - 26 informative
 - 55 were timed to
 the exact time as
 39 years earlier

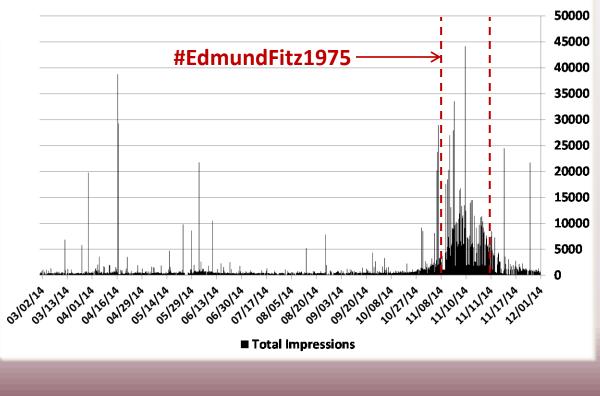






Immensely Popular Event for @NWSMarquette

@NWSMarquette - Impressions (Mar 01 - Dec 01, 2014)



- 56% increase in followers during the event
- > 100x the impressions normally seen during a 5 day period

Twitter	During Event	Normal Month	
IMP's	> 918,000	~53,000	
RT's	2710	158	
Fav's	1640	87	

Great Gov Tweets – via



- 39 tweets in the Top 50 Government Tweets during the event (11/7-10/2014)
 - 12 on 11/9/2014
 - Highest #5
 - 24 on 11/10/2014

Follow

- Highest #7
- Never reached #1, but tough to compete with these images:





Our most popular photo on social media last week → #Bison through the mist @YellowstoneNPS by Cameron Patrick 5:24 PM - 9 Nov 2014



Visit all national parks, wildlife refuges & public lands for free

on #VeteransDay. Please RT to spread the word!

11:38 AM - 9 Nov 2014

€ 1.281 ★ 651

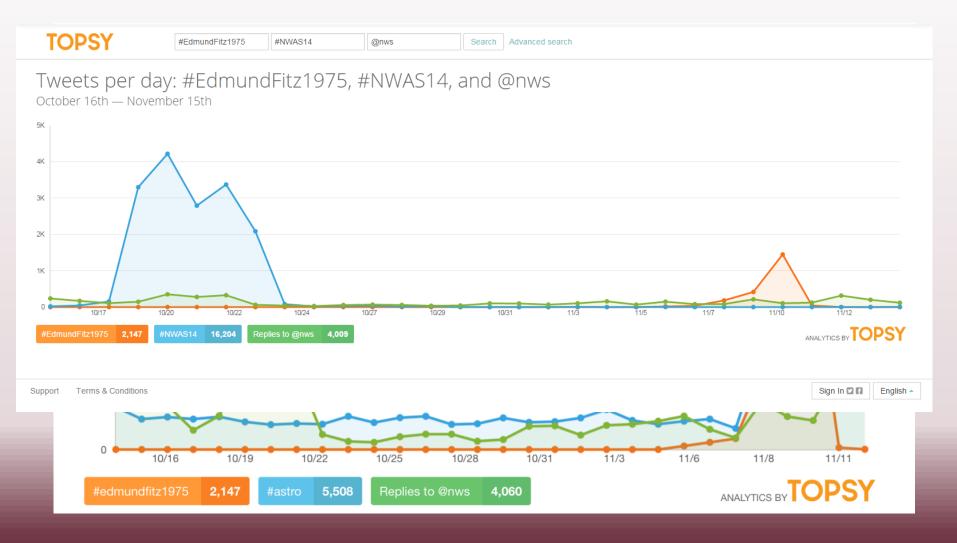




Wow.Beautiful in so many ways: @astro reid @Astro Alex are handing over "The View" to @AstroSamantha @AstroTerrv 8:07 AM - 9 Nov 2014 ₹3 243 ★ 340

♠ ★ 793 ★ 869

A Quick Comparison to Other Events



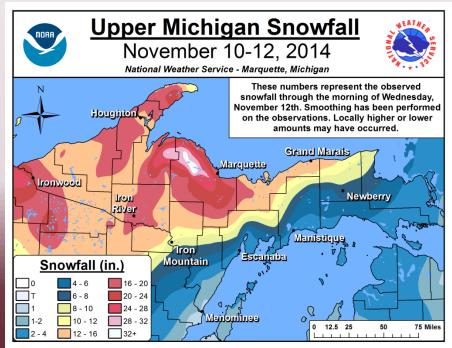
Events that Aided Distribution

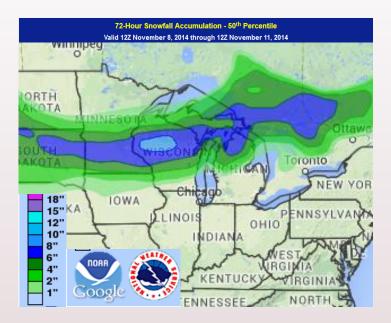
- Early promotion helped get the word out

 Email to Great Lakes Offices
- Picked up by several news organizations (TV/Print)
 - WGN, Weather Channel, MLive, Milwaukee Journal Sentinel
 - Aided the viral nature of the tweets
- @NWS account retweeted a few tweets around 8:50pm on the 8th
 - Retweets took off after that point

Complicated by a Snowstorm

- Had go/no-go date of November 6th
 - Storm originally forecasted to go south (Chicago Area)
- By the 8th, it had shifted into the U.P.





- 3 day snowfall totals from the event
 - 30.2" at NWS Marquette

Live Tweet Aided Winter Storm Awareness

- 11 storm tweets sent during the event
 - Staff fit them in gaps with the live tweet
- > 110,000 Twitter Impressions from posts dealing with the storm

Largest Snowstorm in Marquette since 2007?

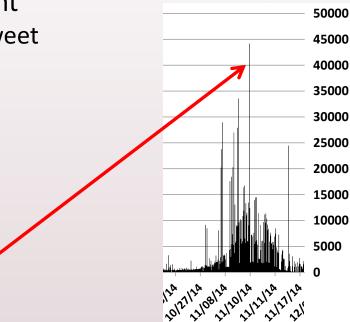
		E	
Forecast Total Snowfall	Rank	3 Day Snowfall	Dates
	1	49.4	Dec 07-09 1977
in inches	2	41.6	Dec 16-18 1981
0 10-20	3	37.9	Apr 04-06 2007
	4	36.4	Nov 30-Dec 02 1985
80-119 120-149 150-109	5	33.4	Mar 12-14 1988
20.0-23.9	6	33.1	Nov 26-28 2001
Forecast storm total for this	7	32.4	Mar 13-15 1997
	8	31.7	Nov 22-24 1991
storm in 31.2	9	31.0	Jan 02-04 1999
Marquette	10	30.9	Mar 01-03 2007

This storm will likely bring the highest storm total snowfall for many areas across Upper Michigan in the past 3-6 years.



National Weather Service – Marquette, Michigan Iss Neb: www.weather.gov/up Twitter: @NWSMarquette

Issued: 11/10/2014 1:11 PM Facebook: NWSMarquette

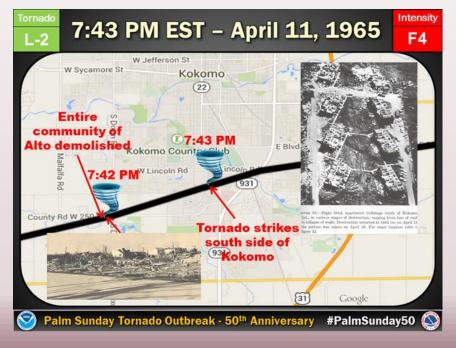


Twitter Impressions

This tweet had our highest impression in 2014

Recent Live Tweets in NWS

Palm Sunday – 50th Anniversary – NWS IWX



1965 Twin Cities Tornado Outbreak – NWS MPX

 50th Anniversary: 1965 Twin Cities Tornado Outbreak May 6th, 1965
 We will be live tweeting this event on the evening of Wednesday May 6th, 2015
 Follow @NWSTwinCities and hashtag #msptornadoes65 as we tweet the details of the outbreak as they occurred 50 years ago We will begin live tweeting at 6 PM and conclude at midnight We will be tweeting very frequently at times, to simulate the reports as they came in on this evening 50 years ago

You can utilize the 'mute' function in Twitter if you don't want to see these tweets, just remember to unmute us afterward!

Issued: 12:40 PM - Tuesday, May 05, 2015

Lessons Learned

- Make sure staff is aware of the live tweet event possibly going viral
 - Ops staff calling SM Focal Point because TweetDeck "wouldn't shut-up"
 - Tied to @NWS retweet on the evening of Nov. 8, 2014
- Have a set template
- Two Minor issues with TweetDeck
 - Occasionally scheduled tweets wouldn't show up
 - They were still issued at the proper time
 - Unable to schedule animated gifs

Summary

- Extremely successful event for @NWSMarquette
 - 56% increase in followers
 - ~17 times the normal monthly Twitter Impressions/Retweets/Favorites
 - In just 5 days
- Great way to raise awareness
 - Of past weather events
 - For Preparedness
 - For the office
- You can view all of the tweets that were sent on Storify:
 - <u>http://bit.ly/1DZUvZ6</u>

Aknowledgements

 Big thanks to Tom Hultquist (NWS MPX) and Michael Dutter (NWS MQT) for the raw images from their paper (Reexamination of the 9–10 November 1975 "Edmund Fitzgerald" Storm Using Today's Technology)