

NOW Access

Data Management & Storage

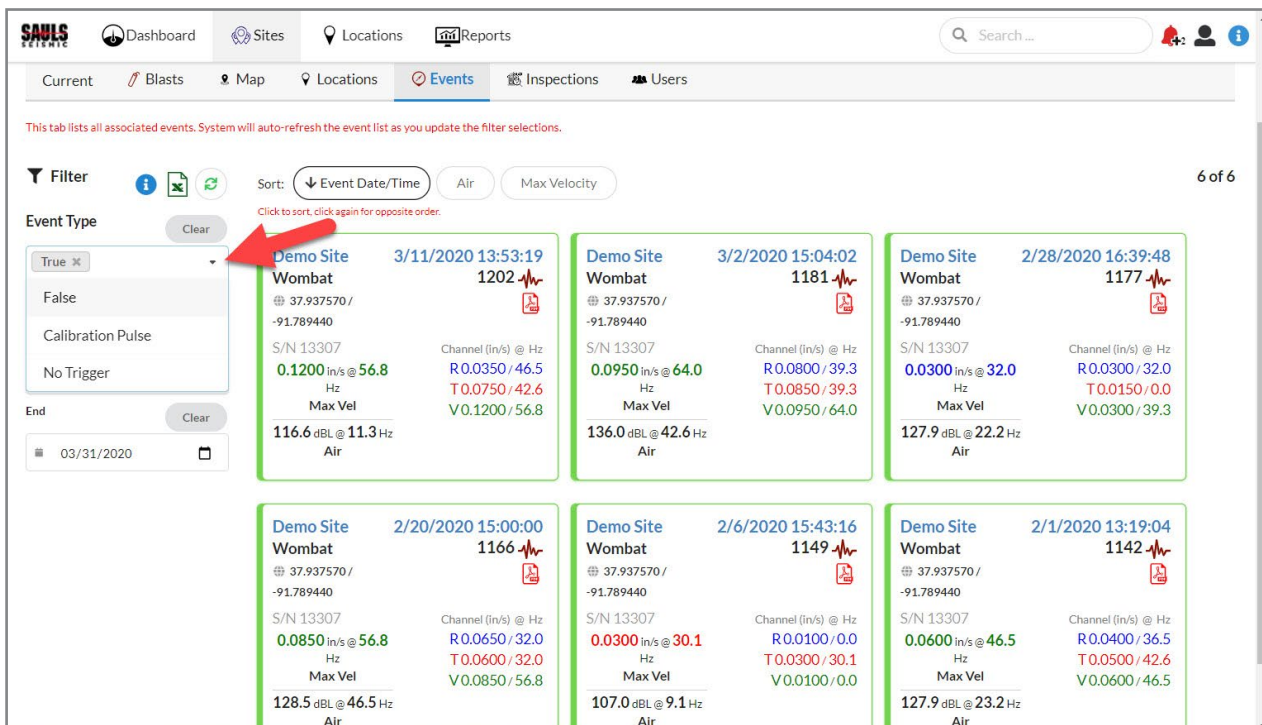
Real-Time Data for Real-Time Solutions

NOW Access Benefits

- Seismic events emailed or text messaged within minutes of each blast;
- Seismic data filtered so that clients are only notified of events from blasts;
- Data entry option automatically calculates and stores K-factor for each blast;
- Customized, date-specific data reporting capabilities with Z-Curve chart;
- Access to data anytime via the Internet;
- Mobile-friendly platform;
- NOW Access training sessions; and
- Secure data storage at a world-class facility.

Pre-filtered Data

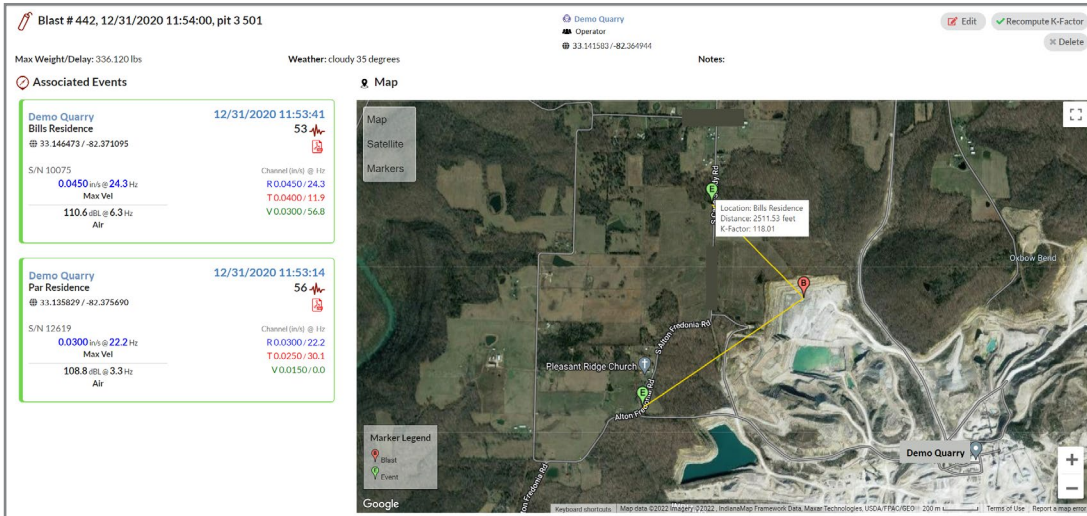
Sauls filters seismic data according to valid (true) events, calibration pulses, no triggers, and invalid (false) events. Only validated readings are transmitted following a blast/event while false triggers are filtered and stored online. Data archives are available to analyze events using the built-in sorting and filtering options. Sort by maximum PPV or air-overpressure and export to Excel or PDF.



The screenshot displays the SAULS SEISMIC web application interface. At the top, there are navigation tabs for Dashboard, Sites, Locations, Reports, Current, Blasts, Map, Events, Inspections, and Users. A search bar is located in the top right corner. Below the navigation, a message states: "This tab lists all associated events. System will auto-refresh the event list as you update the filter selections." The main content area features a "Filter" section with a dropdown menu for "Event Type" (set to "True"), a "Sort" dropdown (set to "Event Date/Time"), and buttons for "Air" and "Max Velocity". A red arrow points to the "Event Type" dropdown. Below the filter section, a grid of event cards is displayed, each showing details for a "Demo Site Wombat" event, including date, time, S/N, Channel (in/s) @ Hz, Max Vel, and dB/Hz. The events are sorted by date and time.

Event Type	Date/Time	S/N	Channel (in/s) @ Hz	Max Vel	dB/Hz
True	3/11/2020 13:53:19	1202	0.1200 in/s @ 56.8 Hz	0.0750 / 42.6 Hz	116.6 dB @ 11.3 Hz
True	3/2/2020 15:04:02	1181	0.0950 in/s @ 64.0 Hz	0.0850 / 39.3 Hz	136.0 dB @ 42.6 Hz
True	2/28/2020 16:39:48	1177	0.0300 in/s @ 32.0 Hz	0.0150 / 0.0 Hz	127.9 dB @ 22.2 Hz
True	2/20/2020 15:00:00	1166	0.0850 in/s @ 56.8 Hz	0.0600 / 32.0 Hz	128.5 dB @ 46.5 Hz
True	2/6/2020 15:43:16	1149	0.0300 in/s @ 30.1 Hz	0.0300 / 30.1 Hz	107.0 dB @ 9.1 Hz
True	2/1/2020 13:19:04	1142	0.0600 in/s @ 46.5 Hz	0.0500 / 42.6 Hz	127.9 dB @ 23.2 Hz

Mapping Feature



Monitoring locations, blasts, and inspections appear on an interactive map showing the location names, distance, and K-factor.

Reporting & USBM Z-Curve

Filter by date range/location and export data to Excel or PDF. View USBM Z-Curve chart that plots peak levels of all events. Waveform reports are available in PDF for each seismic event.

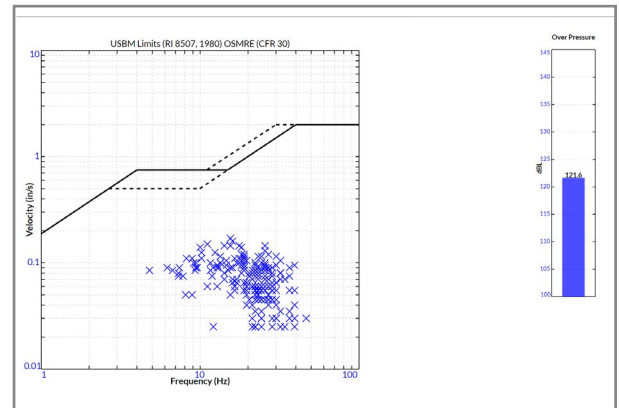
Vibration and Air Over-Pressure Summary Report

Select filter criteria and press View Report. Any changes to the criteria require pressing View Report again to refresh the data.

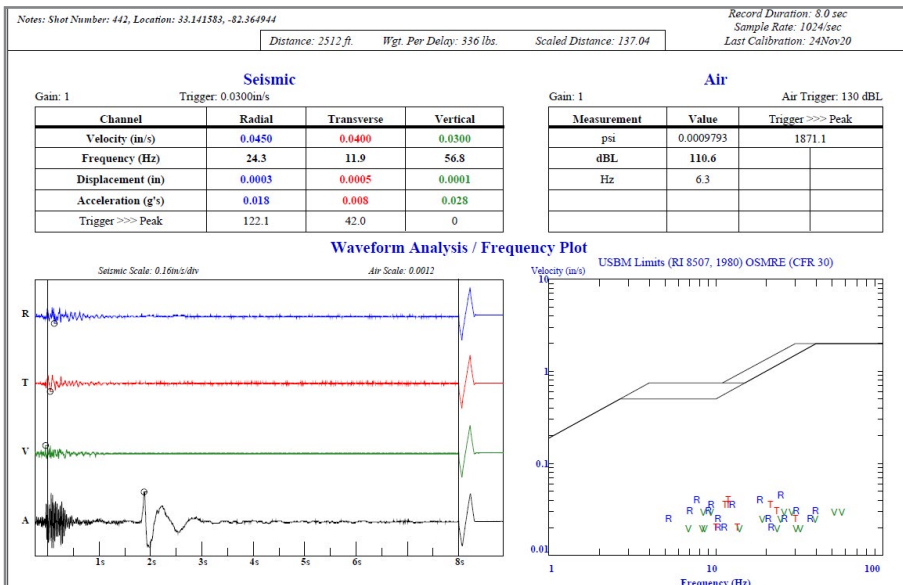
Filter: Demo Quarry

Summary Review (Start Date: 1/1/2020, End Date: 12/31/2020)

No.	Date/Time	Shot Location	Distance	Scaled Distance	Max Wgt/Delay (lbs)	PPV (in/s)	Frequency (Hz)	Pressure (psi)	K-Factor
1	10/23/2020 8:18:17 AM	#4 Hardinsburg	15499.38	494.88	539.00	0.0450	7.1	115.7	921.33
2	10/26/2020 3:06:25 PM	#4 Hardinsburg	3177.22	156.41	412.41	0.0400	4.5	105.5	194.53
3	10/27/2020 11:25:49 AM	#3 603-610	4721.28	124.45	1439.21	0.0300	15.0	112.6	67.47
4	10/29/2020 2:26:20 PM	#4 Hardinsburg	3142.79	152.68	423.72	0.0250	7.0	106.0	77.98
5	10/30/2020 8:34:38 AM	#3 603-610	4647.15	123.53	1415.27	0.0400	6.1	105.5	88.90
6	11/3/2020 2:59:09 PM	603-610	4789.29	128.35	1392.39	0.0300	8.0	105.5	70.88
7	11/4/2020 8:43:25 AM	pit 4 hardinsburg	3142.79	161.37	379.28	0.0300	8.0	113.5	102.25
8	11/6/2020 8:42:55 AM	pit 4 hardinsburg	3804.97	165.17	530.68	0.0250	6.4	118.7	88.44
9	11/9/2020 11:30:24 AM	#3 603-610	8512.25	223.14	1455.25	0.0600	8.0	107.5	343.46
10	11/9/2020 2:40:36 PM	#4 Hardinsburg	3117.02	149.77	433.17	0.0450	7.3	100.0	136.10
11	11/11/2020 9:19:54 AM	#4 Hardinsburg	3176.89	155.21	418.93	0.0300	4.1	108.4	96.08
12	11/11/2020 3:51:12 PM	#3 603-610	4773.16	182.75	682.15	0.0450	16.0	107.0	187.15
13	11/13/2020 9:07:31 AM	#4 Hardinsburg	3078.50	157.10	384.00	0.0550	7.6	108.0	179.57
14	11/13/2020 3:15:23 PM	pit 3 504-602	4410.31	186.95	556.50	0.0250	8.6	101.0	107.82



Blast Data Entry



Input blast data online and associate it with the corresponding event to generate a completed seismograph waveform report.

For more information, please scan the QR code or visit www.saulsseismic.com.

