

Disaster Debris Management Best Practices to Become and Stay Prepared







Leading with Science®



Introductions



Disaster Snapshot



2023 Flood: Debris Removal Operations- Cumulative Totals



Cumulative Total: 446 Loads / 6,230 Tons

C&D COMMERCIAL DEBRIS: 1,383 Tons

C&D RESIDENTIAL DEBRIS: 4,319 Tons

MOBILE HOME PARK DEBRIS: 214 Tons

ASBESTOS CONTAINING C&D: 5 Tons

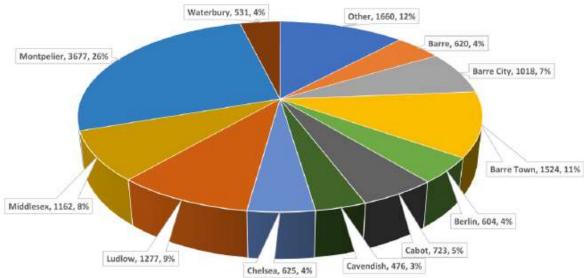
RESIDENTIAL - VEGETATIVE/WOODY: 1,855 Cubic Yards

Contractor Vehicles (Trucks/Trailers): 16 Units

Temporary Flood-Related Hazardous Materials Collection Location – Middlesex, VT July 29, 2023 - August 12, 2023

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TRIPS BY	Summary		
CONTRACTOR	Operated for 13 days.	Date	Cars
1	 Collected 14,000 containers of flood-related hazardous waste from 24 Vermont towns. 	29-Jul	6
1	Served 219 total cars.	31-Jul	17
	 Made 25 trips around the state to collect 8,292 containers of hazardous waste from 	1-Aug	12
2		2-Aug	7
1	flood impacted towns	3-Aug	13
2		4-Aug	12
	Paint	5-Aug	7
2	 Collected 64 cubic yard boxes of paint under the Paint Care program. 	7-Aug	4
1		8-Aug	9
2	Mercury Bulbs	9-Aug	22
		10-Aug	29
1	 319 fluorescent bulbs were collected via the mercury program 	11-Aug	37
1	2023 FLOOD RELATED HAZ WASTE COLLECTION PROGRAM PARTICIPATION	12-Aug	44
	(Town, No. of Containers, Percent of Total)	Grand Total	219
1	(rown, no. of containers, Percent of rotal)		



ENVIRONMENTAL RESTORATION





Grand Total	8292	25
Hardwick	74	1
Cabot	595	
12-Aug		
Montpelier	270	1
Barre City	135	1
11-Aug		
Montpelier	477	1
Cambridge	321	1
10-Aug		
Barre City	43	1
9-Aug		
Ludiow	154	1
Londonderry	62	1
Cavendish	476	1
8-Aug		
Barre City	80	1
7-Aug		
Ludlow	230	1
Cabot	124	()#
5-Aug		
Ludlow	893	1
Chelsea	436	1
4 Aug		
Montpelier	1200	2
Barre Town	16	1
3-Aug		1
Montpelier	598	2
2-Aug	400	4
Montpelier	406	2

NO. OF

29-Jul

31-Jul

1-Aug

Barre Town

Waterbury

Barre Town

Barre Town

CONTAINERS CONTRACT

410 237

537

518













































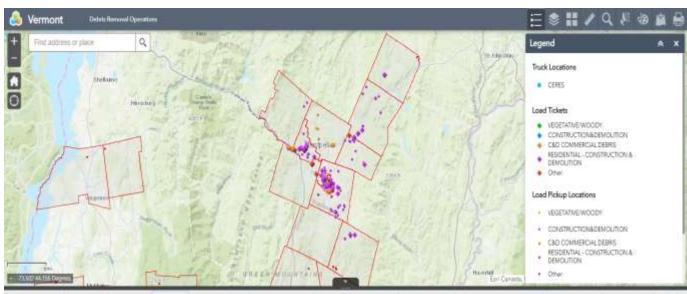






Customizable Reports

Geoportal Debris Tracking



Monter Leading Text Leading Cov Leading Lead Tokin Lead Tokin Lead Texture Head Texture Tokin Project Down Project Device Statistics Incidents Damage to Project Devices - Damage to Project Devi

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61	193	240	9255503	7/20/2023, 9:19 AM	STATE OF VERMONT	CERES	TREES # US	34LMGBDV8JDJ	3	758903	6.00	44,263636,72,57		RESIDENTIAL CONSTRUCTION & DEVIOUTION
61	193	340	9255504	7/20/2023, 9-20 AM	STATE OF VERMONT	CERES	TREES # US	34LMGEDV8JDJ	3	758904	0.00	44,263423,72.57		RESIDENTIAL CONSTRUCTION & DEMOLITION

413 Postures Displacement

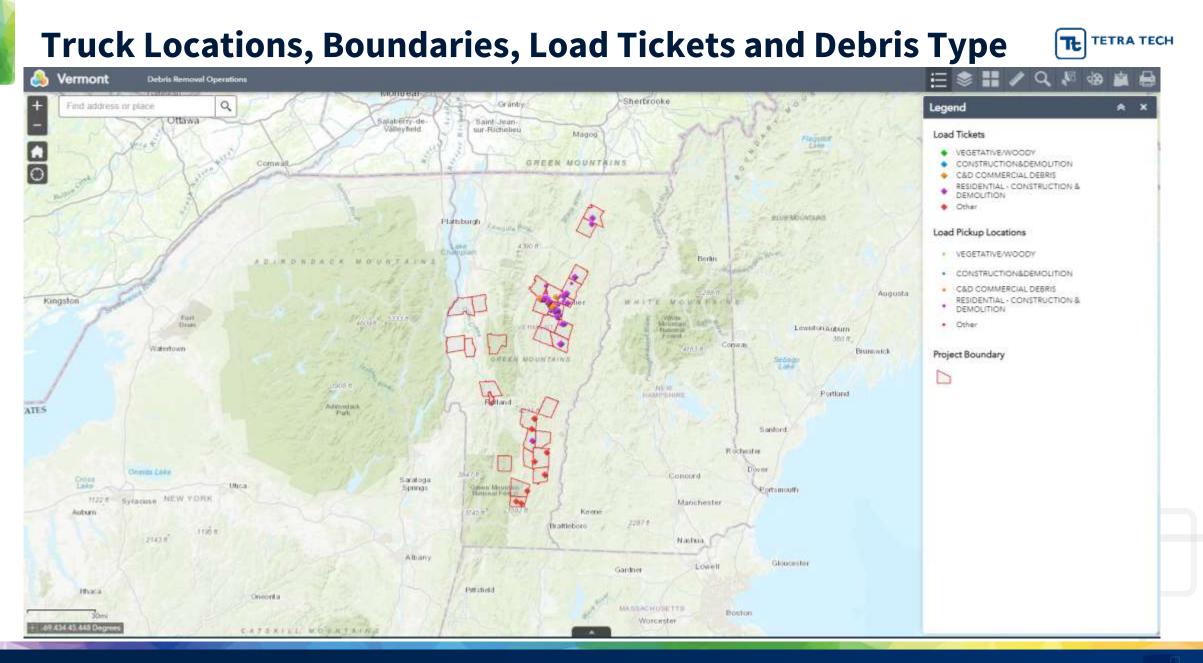
RecoveryTrac

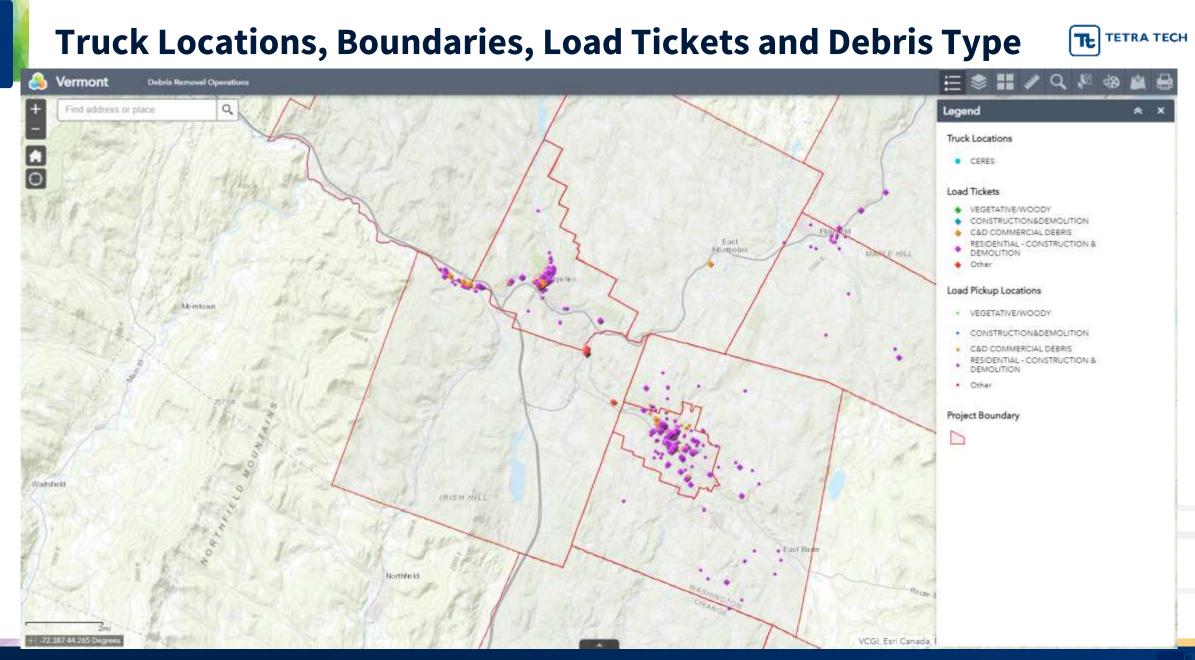


Custom Reporting



IN 2022 2021 by time Set to: All Sprine particing from accordingtor.







Lessons Learned



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Issues for Discussion



Commercial Debris Removal Private Property Debris Categorical Disposal Tonnage vs. CY Capacity at Disposal Sites Farmers Fields/Agricultural

Household Hazardous Waste

Role of EPA

Spill Teams

Waterway Debris

Role of NRCS