
WASHINGTON STATE ALERT AND WARNING CENTER

ANNUAL REPORT 2021

The Annual report for the Washington State Alert and Warning Center (AWC) comprises the statistics for the year and documents the volume and type of incidents that the AWC handled throughout the year. The data for this report has been structured within categories by type and depicted in graph form.

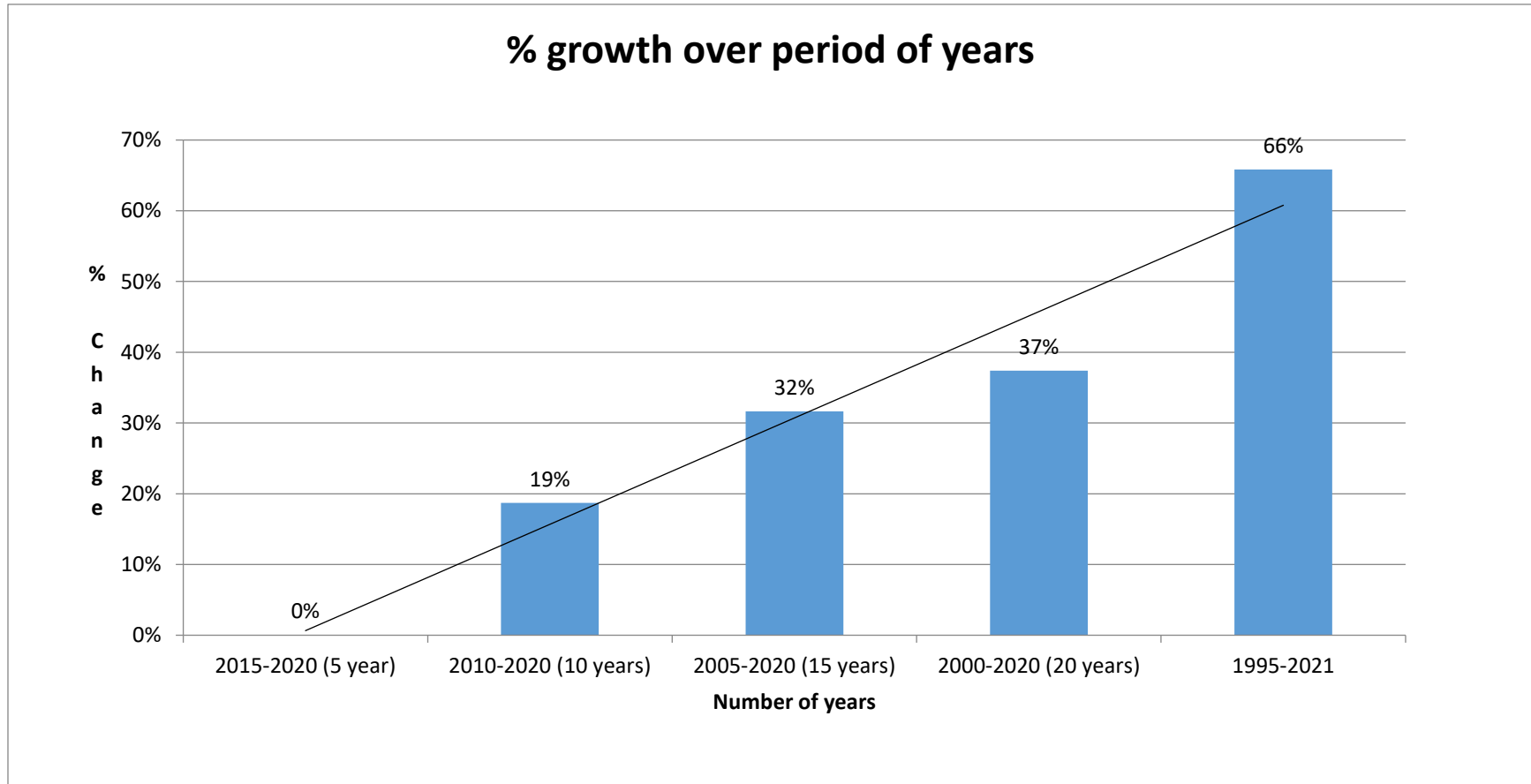
Terms used in this report:

<i>Incident Type</i>	<i>Definition</i>
<i>Fire--Total number</i>	Total number of fire related incidents
<i>Fire-Other</i>	These are incidents reported to Department of Natural Resources per a contract agreement, but have nothing to do with an actual fire, for example individuals locked behind a DNR gate after hours would get referred to us for calling a DNR representative
<i>Wildfire</i>	These are calls on the DNR fire line of reports of wildfires. Many of these calls (though not all) are made by dispatch centers looking for assistance from DNR
<i>Fixed Nuclear Facility--Total Number</i>	This is the total number of incidents occurring at the nuclear facilities within the state
<i>DOE-RL</i>	Department of Energy Hanford Site
<i>CGS-RL</i>	Energy Northwest
<i>Areva</i>	Company that produces nuclear fuel for the Columbia Generating Station. Areva changed its name back to Framatome effective February 2018.
<i>NAVY</i>	These are Naval facilities mostly located at Bangor Bremerton
<i>HAZMAT--Total Number</i>	Total number of spill calls received on behalf of department of Ecology
<i>Hazmat-Other</i>	All spill calls received for the department of Ecology except those involving railroads
<i>Railroad-Hazmat</i>	All Dept of Ecology spill calls involving rail lines and trains. Generally involving BNSF and UPRR
<i>Other-total number</i>	This is a catch all type that encompasses many different categories of incidents
<i>CISM</i>	Critical incident stress management—these are volunteers dispatched to assist local jurisdictions in their help of citizens involved in tragedy such as suicide, auto accidents, CPR in progress etc.
<i>Earthquake</i>	Any earthquakes meeting the threshold of 2.8 M + occurring in the state.
<i>Other incidents not categorized</i>	All incidents that do not have a category. This includes events such as warming shelter openings, use of volunteers for communications during demonstrations and local EOC activations not related to an already issued state incident number.

Railroad--Other	These are non hazmat related incidents that occur in or near rail yards or trains such as trespasser on tracks or train derailments. NOTE: these events are confirmed to have no hazmat spill involved in them. Any rail road issues that involve hazmat will be categorized under Railroad—Hazmat.
Suspicious Act-Sec Breach	Suspicious Activity/Security Breach—reports received from the National Response Center documenting various suspicious activities at key infrastructure facilities
Tsunami Info Statement	All information statements issued by the National Tsunami Warning Center, most often after an earthquake in the Pacific Rim
Amber Alerts	Any Amber Alerts issued
Assistance Request	These are requests for state assistance or resources not related to an already existing incident number
DOH Secures	DOH Secures message
Tsunami	Any Tsunami watch, Warning or Advisory that is issued for any part of WA Coast.
Urban Fire	Fire that takes place within an Urban Area that is beyond the capability of the local jurisdiction to manage
Equipment Outages	Any outages in equipment in the AWC expected or unexpected that last for a significant amount of time or that require a significant amount of resources to manage.
WNG 10th CST	Deployments of the WNG 10 th Civil Support Team (CST) when notified by the JOC
SAR--total Number	Total number of Search and Rescue missions conducted within the state
Beacon	ELT/EPIRB activations. ELT's are the Emergency Locator Transmitter on Aircraft and EPIRB are the marine vessel equivalent
PLB/SPOT	Personal locator beacons that hikers and other individuals wear when out in remote areas that can be activated when needing help in areas without cell coverage or telephones
AVN SAR	Search and Rescue involving overdue aircraft or crashed aircraft
National Park	Search and Rescue taking place on National Park Land, these are generated at the request of the National Park Service and generally take place either at Mt Rainier National Park or Olympic National Park
SAR-Other	All other Search and Rescue activities that do not fall within one of the categories above.
Tsunami Debris	This category was created in the aftermath of the 2011 Japan earthquake/tsunami. This category was only relevant during the years 2013 and 2014 and has been phased out as of the end of 2016
Terrorism	Any events requiring a state response in the aftermath of a terrorist event
Phone	Any phone line outages affecting 911 dispatch centers
Weather	Weather events throughout the state. The documented weather events are watches and warnings. Only the first event is counted. All subsequent events issued are counted under the first incident number until all have expired.
Counties	
Multi / All	These incidents have already been attributed to the individual County and are captured here as well to illustrate cross county operations, take place solely in Oregon, or is an incident that can be attributed to the entire state such as COVID.

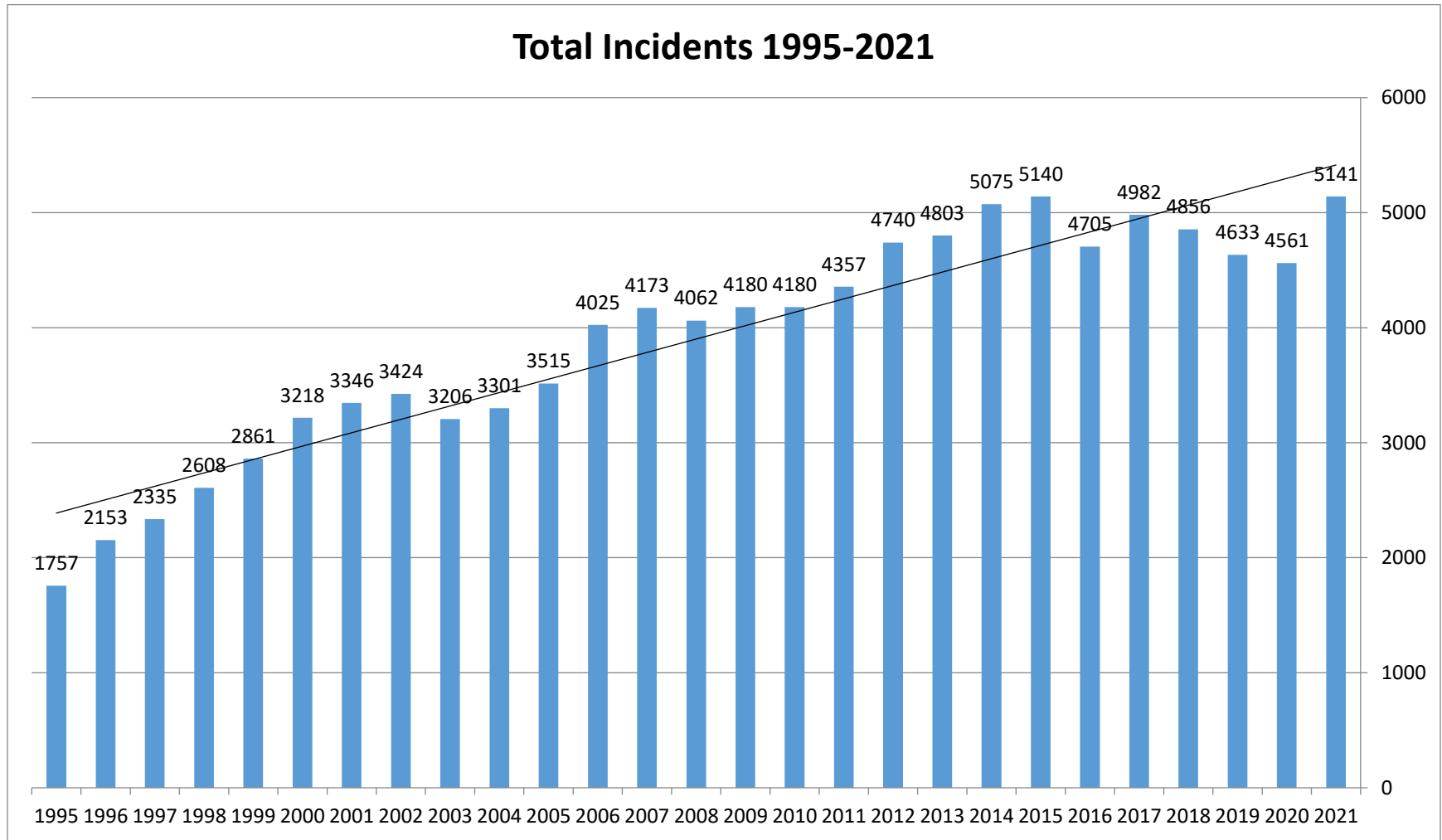
Historical Data % Growth

Note: Some of this change in the number of incidents is a result of how data is collected and reported within the AWC.

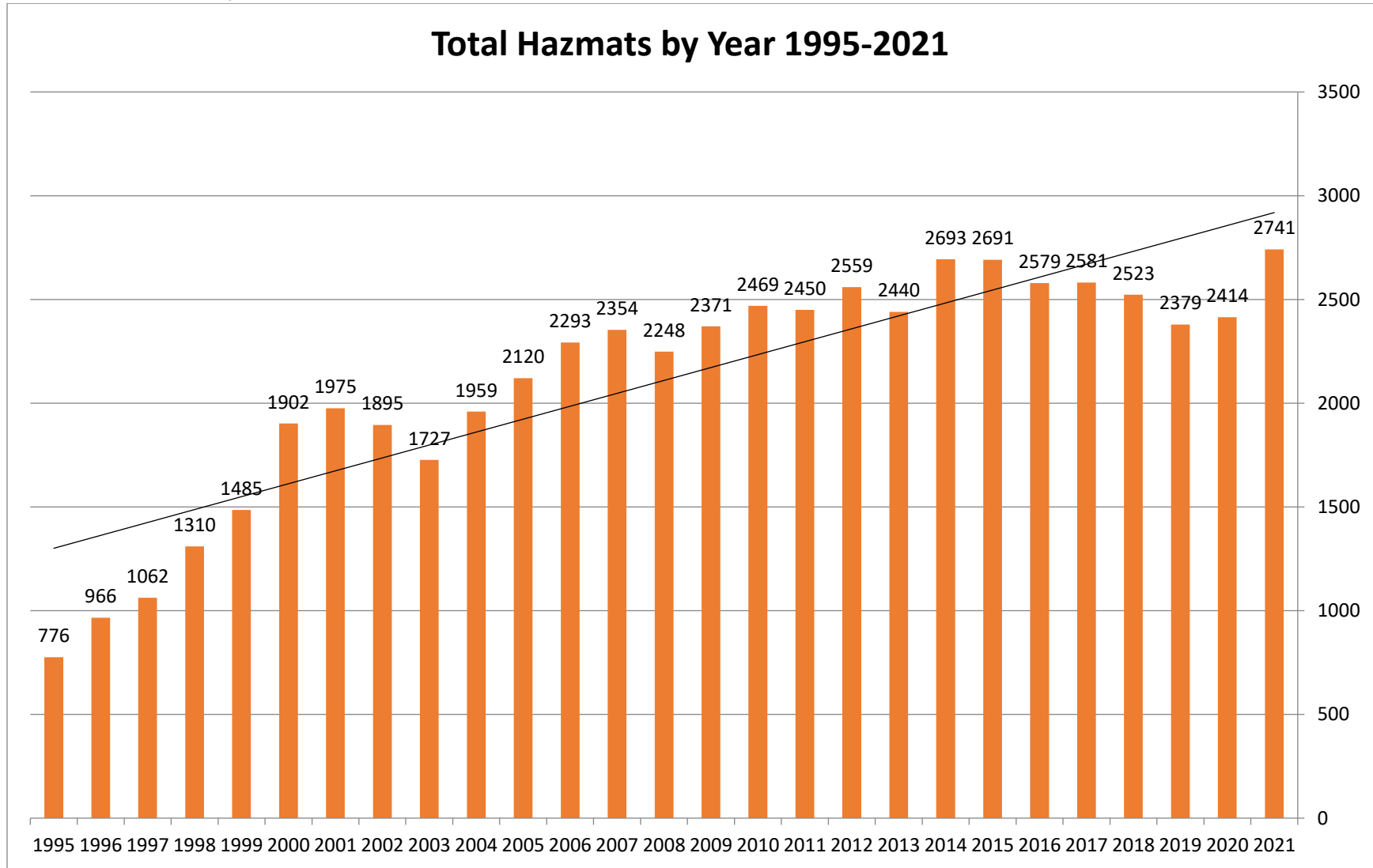


Incidents by Year

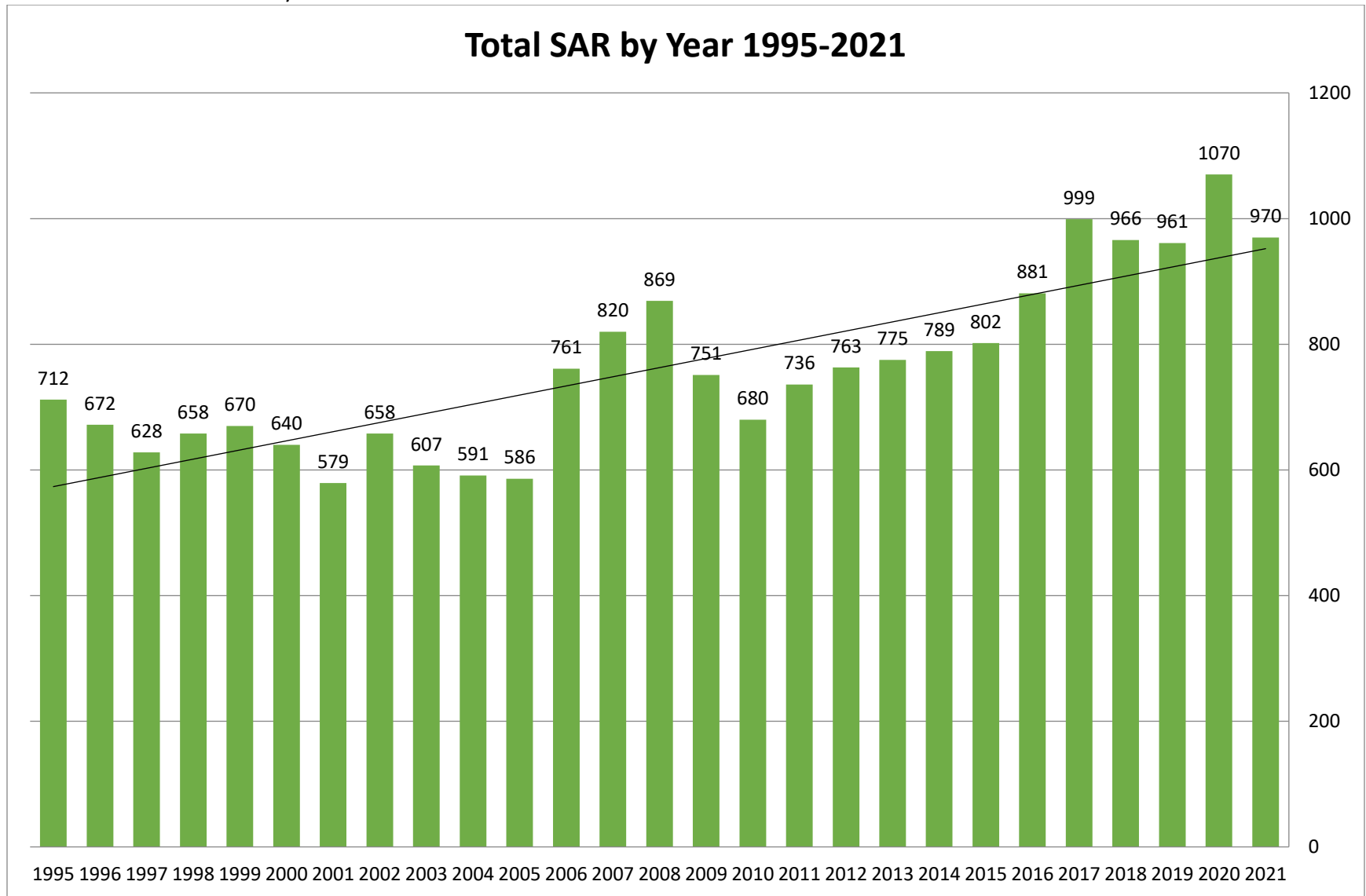
Total Number of Incidents



Total Hazmats by Year

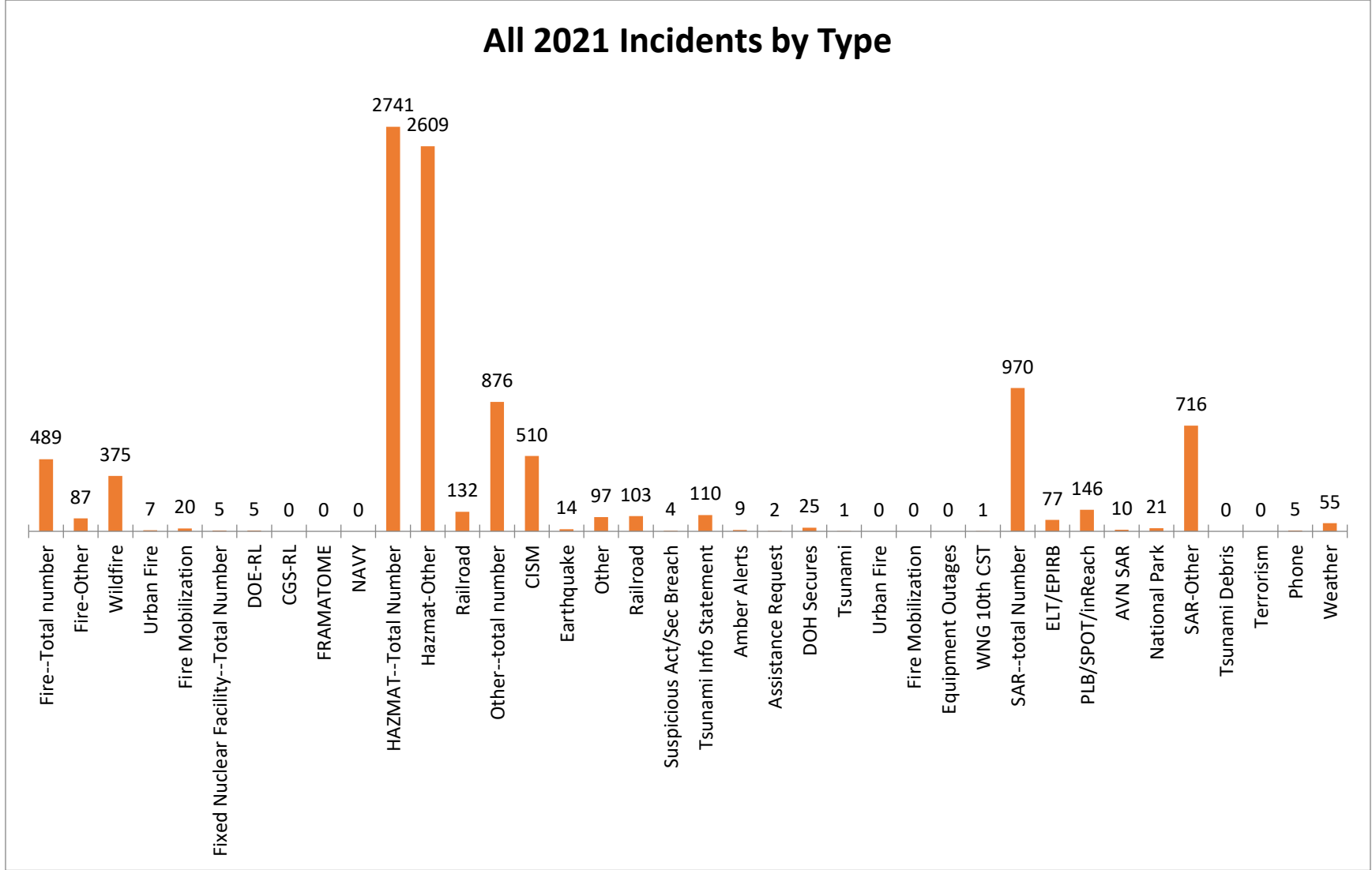


Total SAR missions by Year

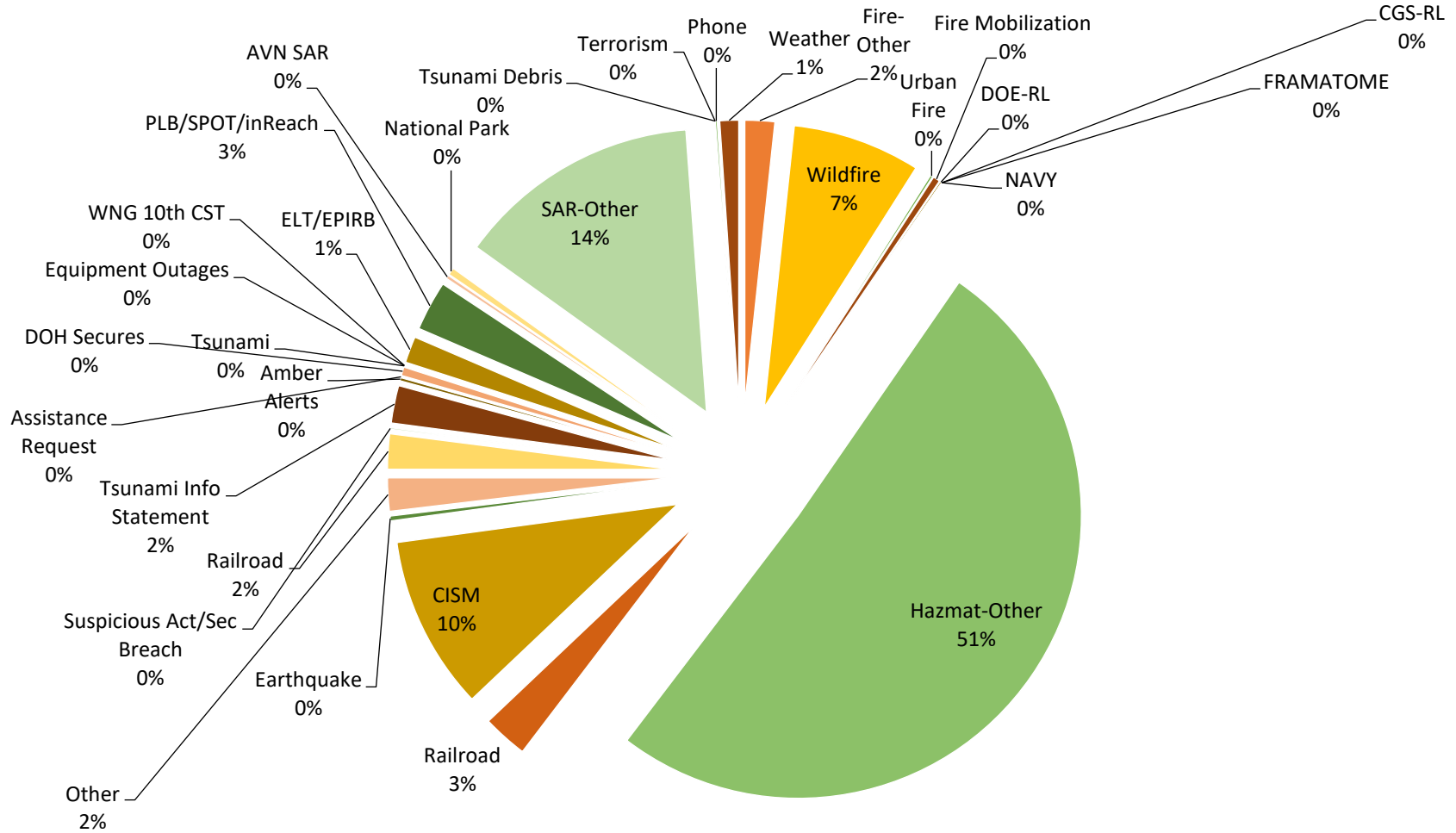


Incidents by Type

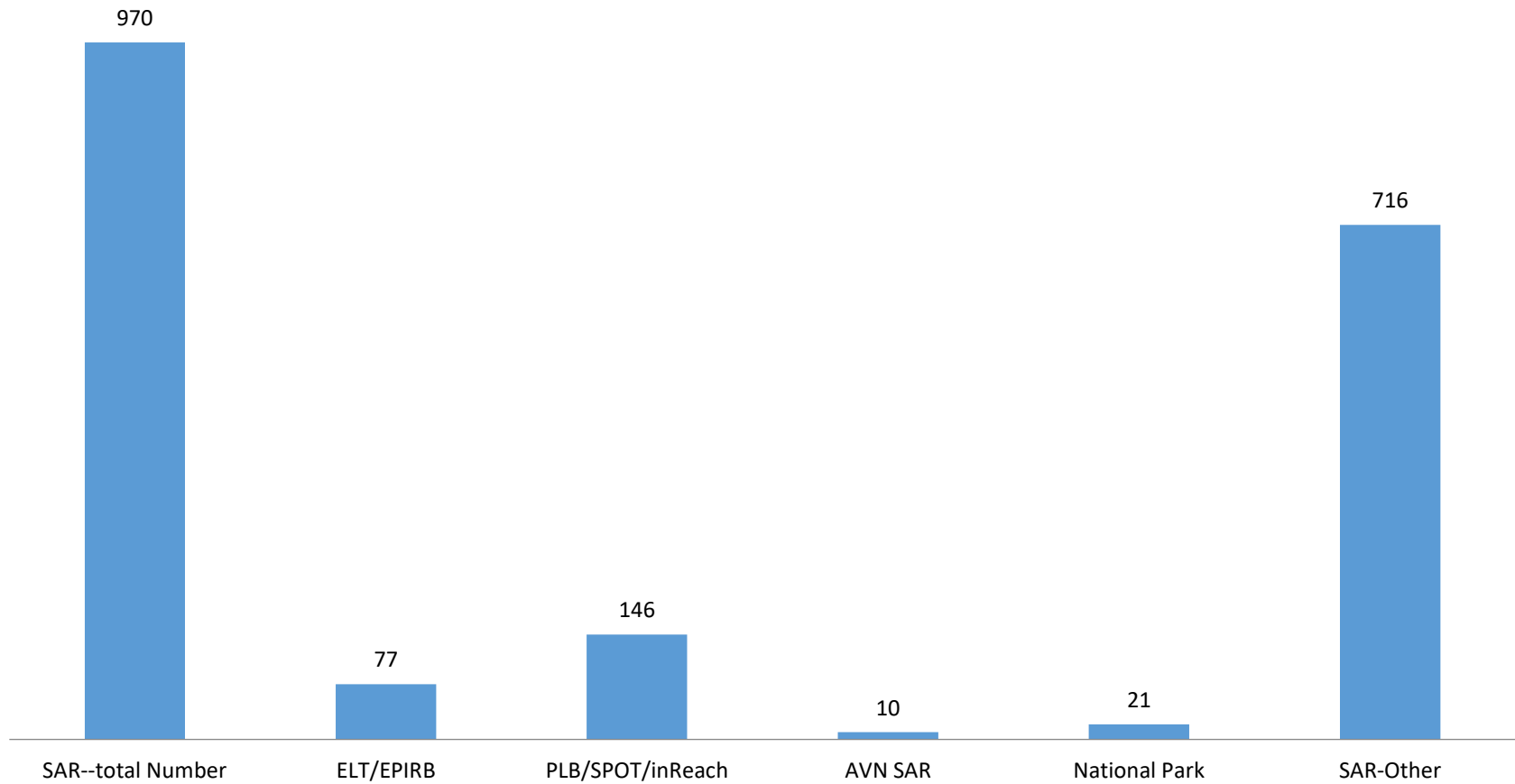
All 2021 Incidents by Type



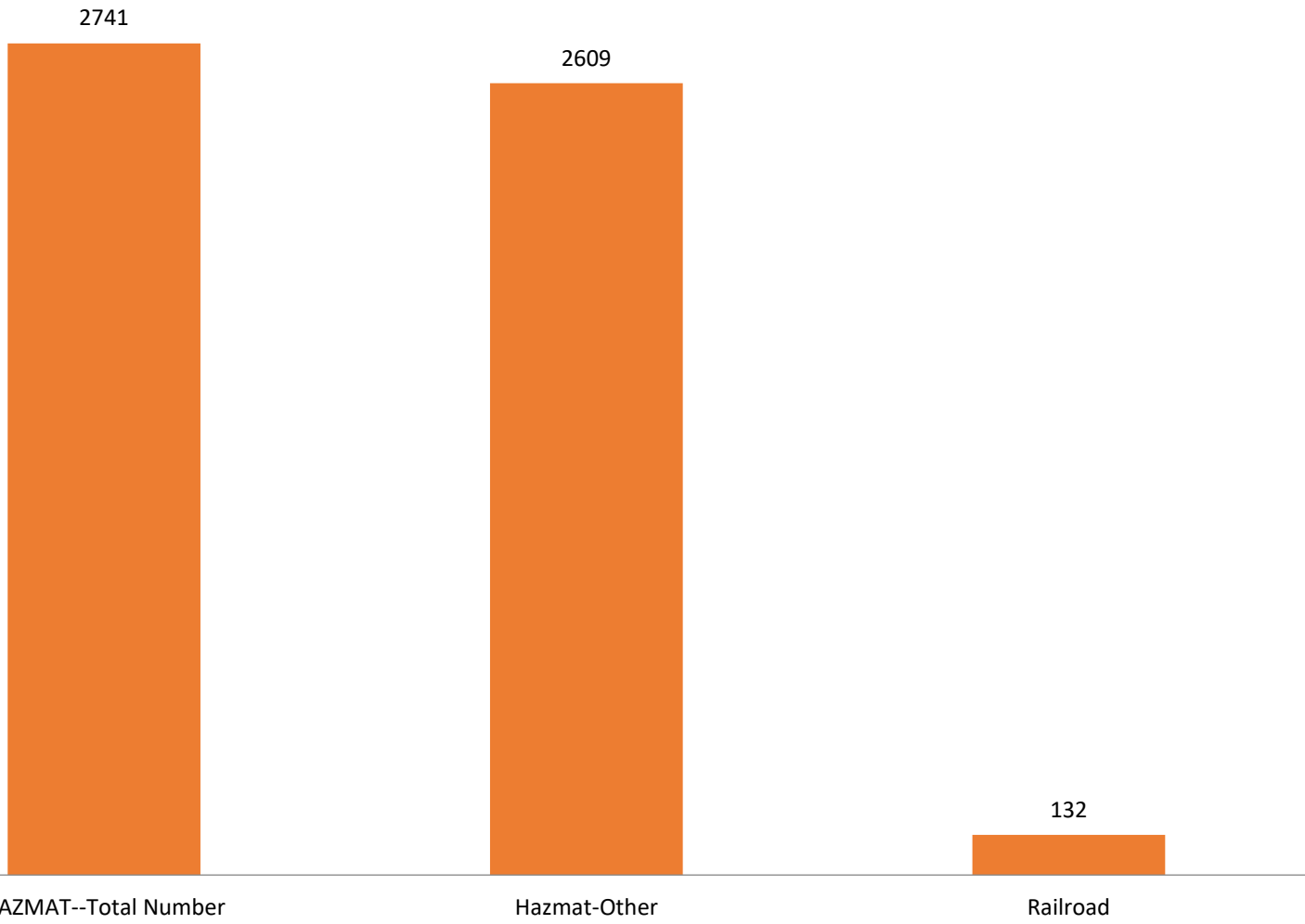
All 2021 Incidents as a percentage of Annual Total



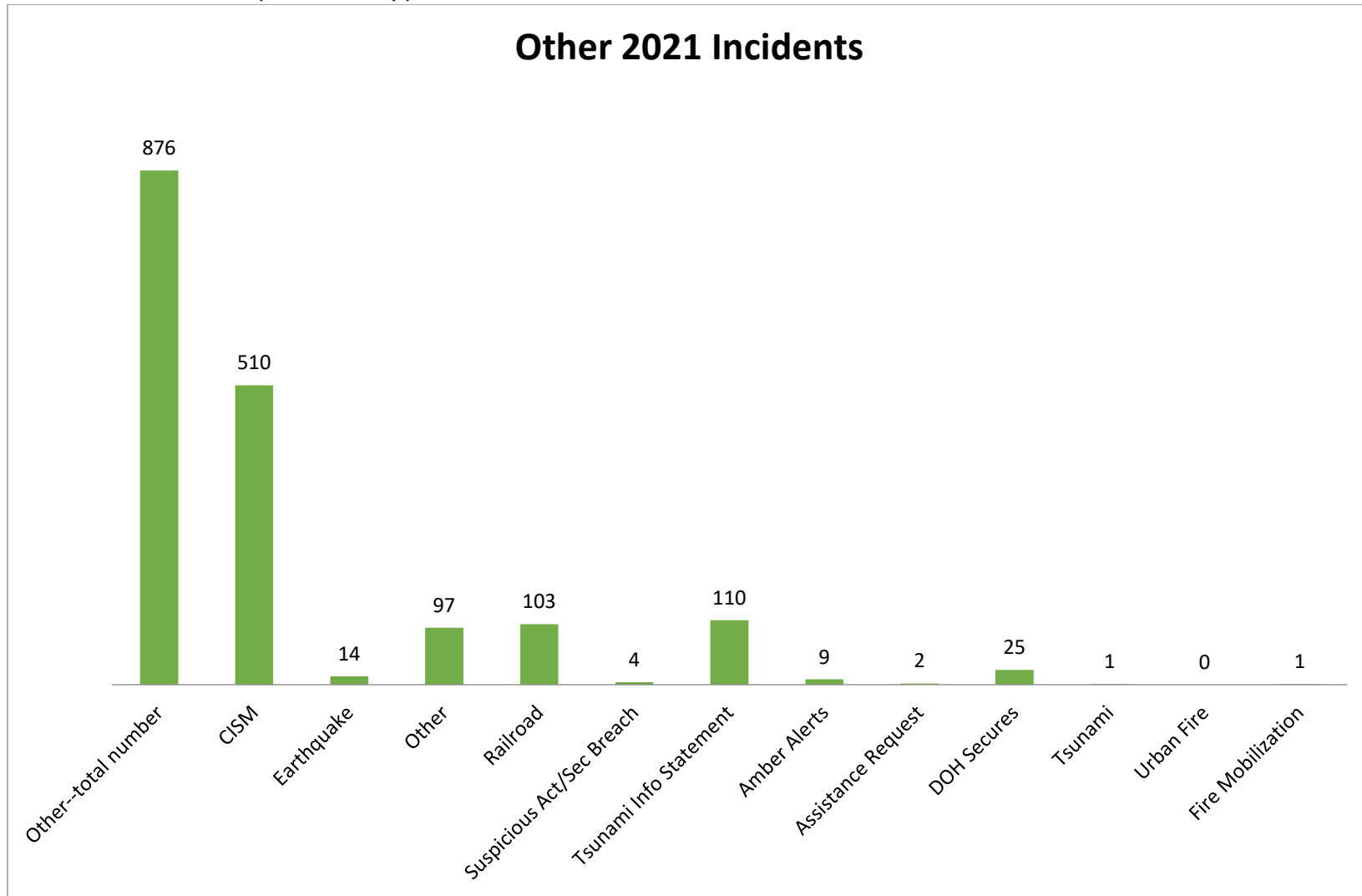
All 2021 SAR by Type



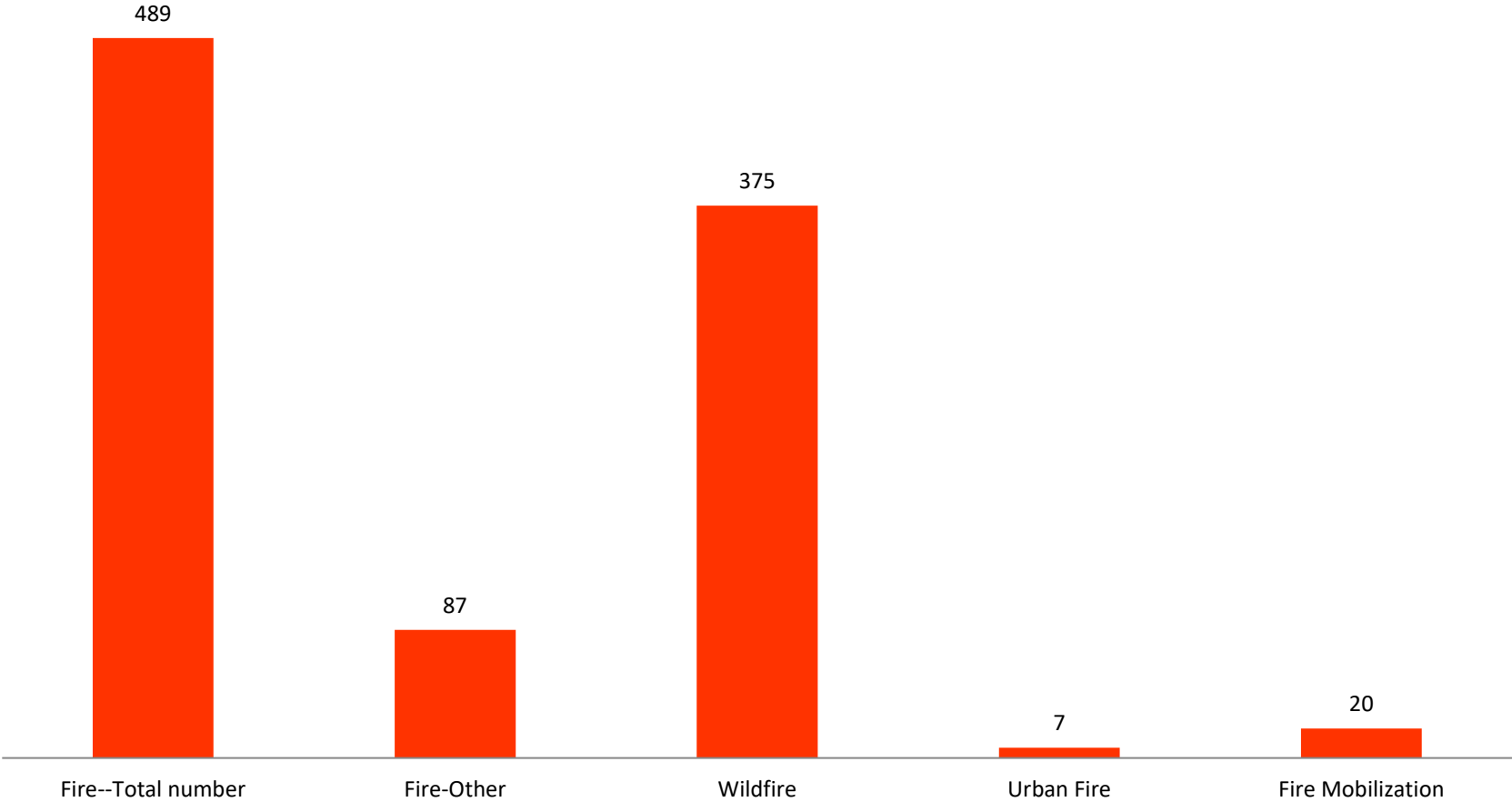
2021 Hazmat Incidents



Other Incidents by Other Types



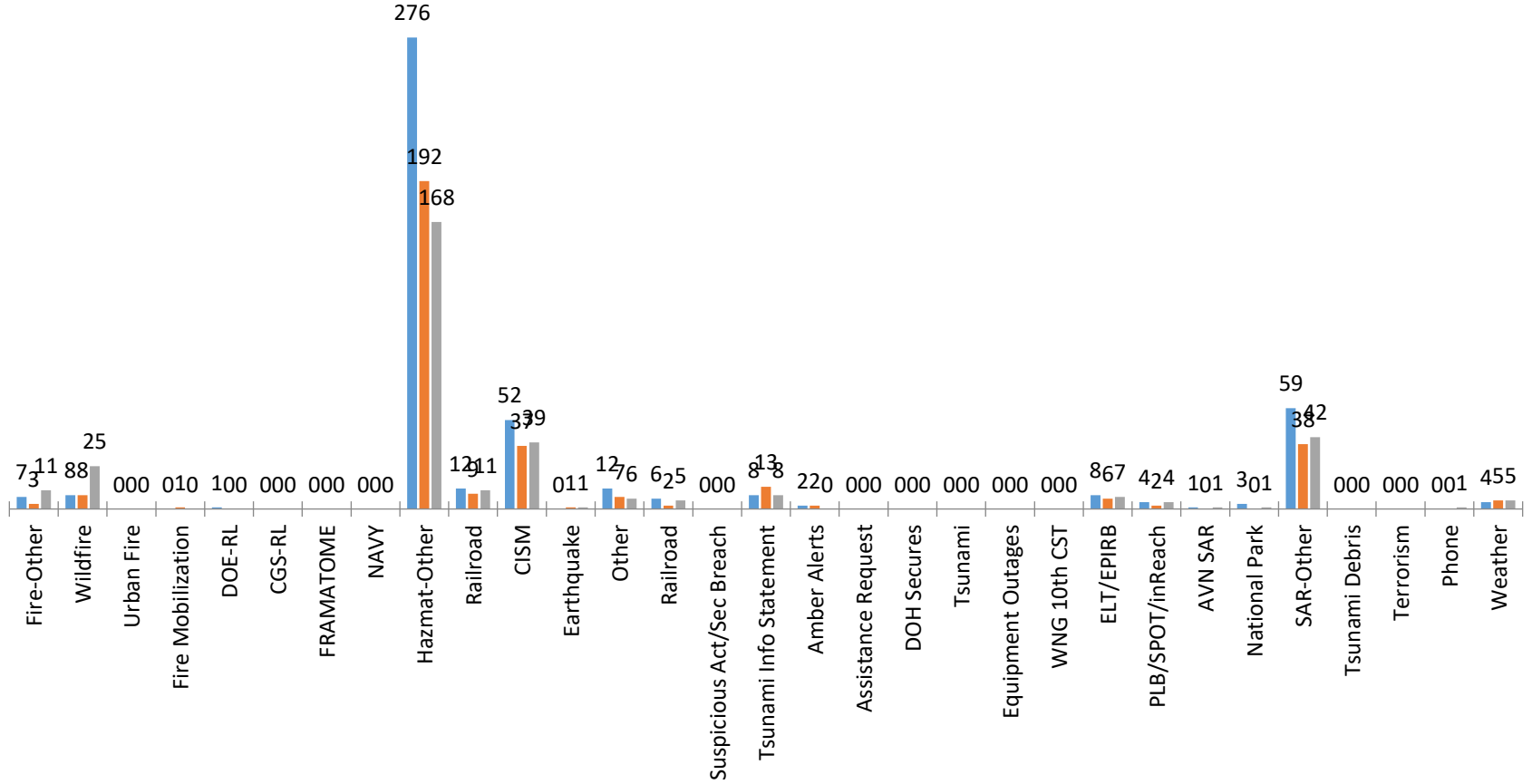
2021 Fire Incidents



Incident Totals by Quarter

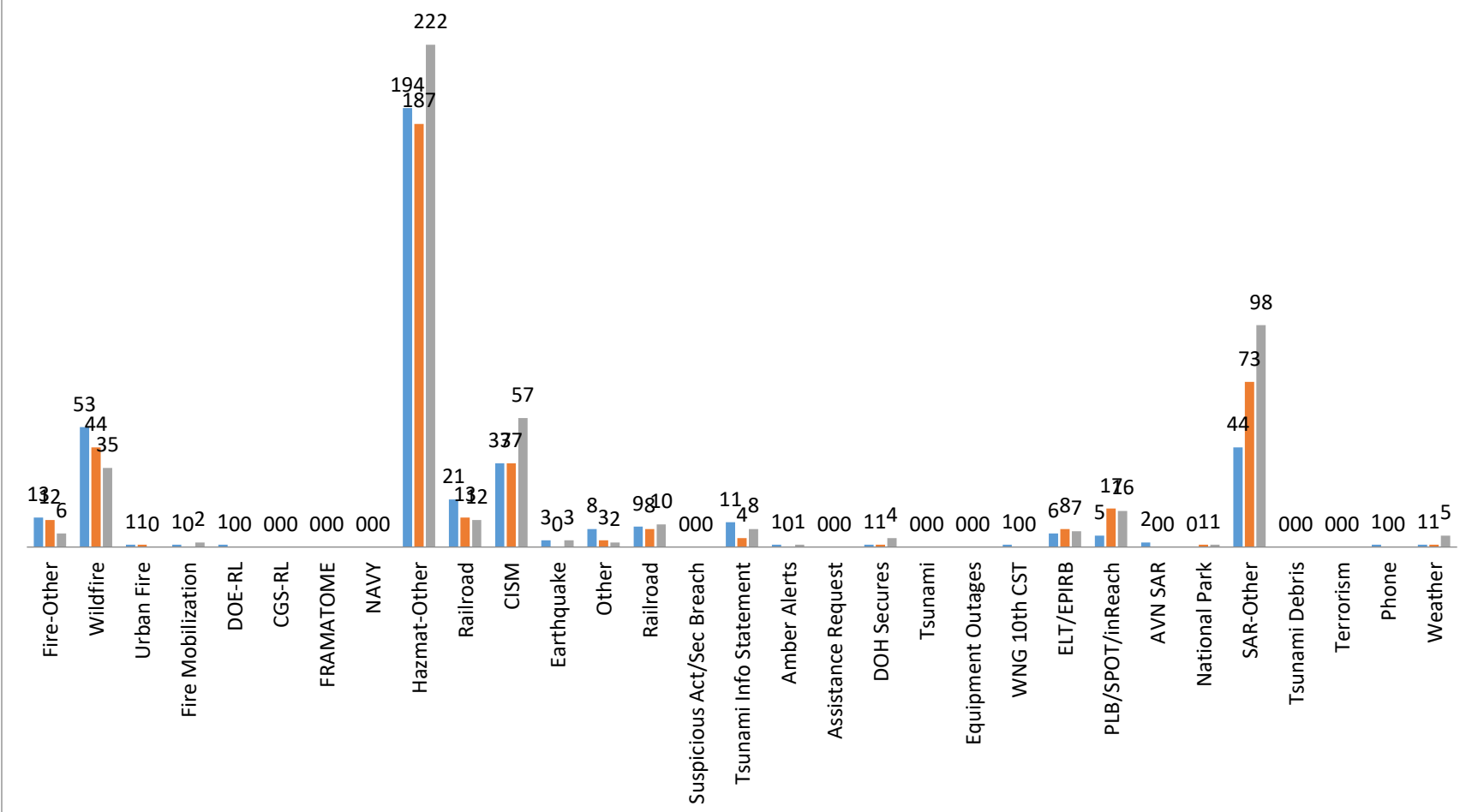
All 1Q 2021 Incidents by Type

■ January ■ February ■ March



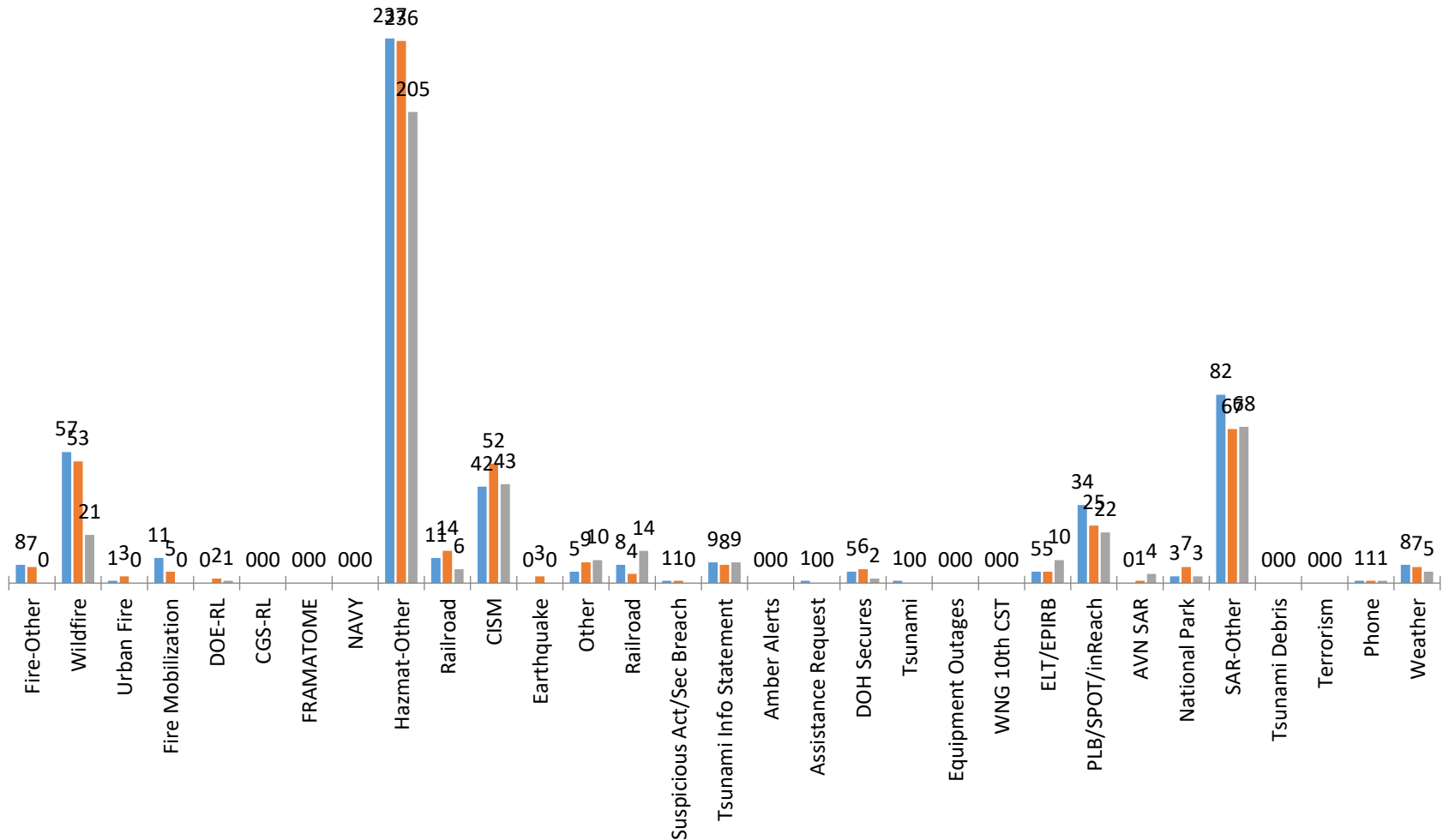
All 2Q 2021 Incidents by Type

■ April ■ May ■ June



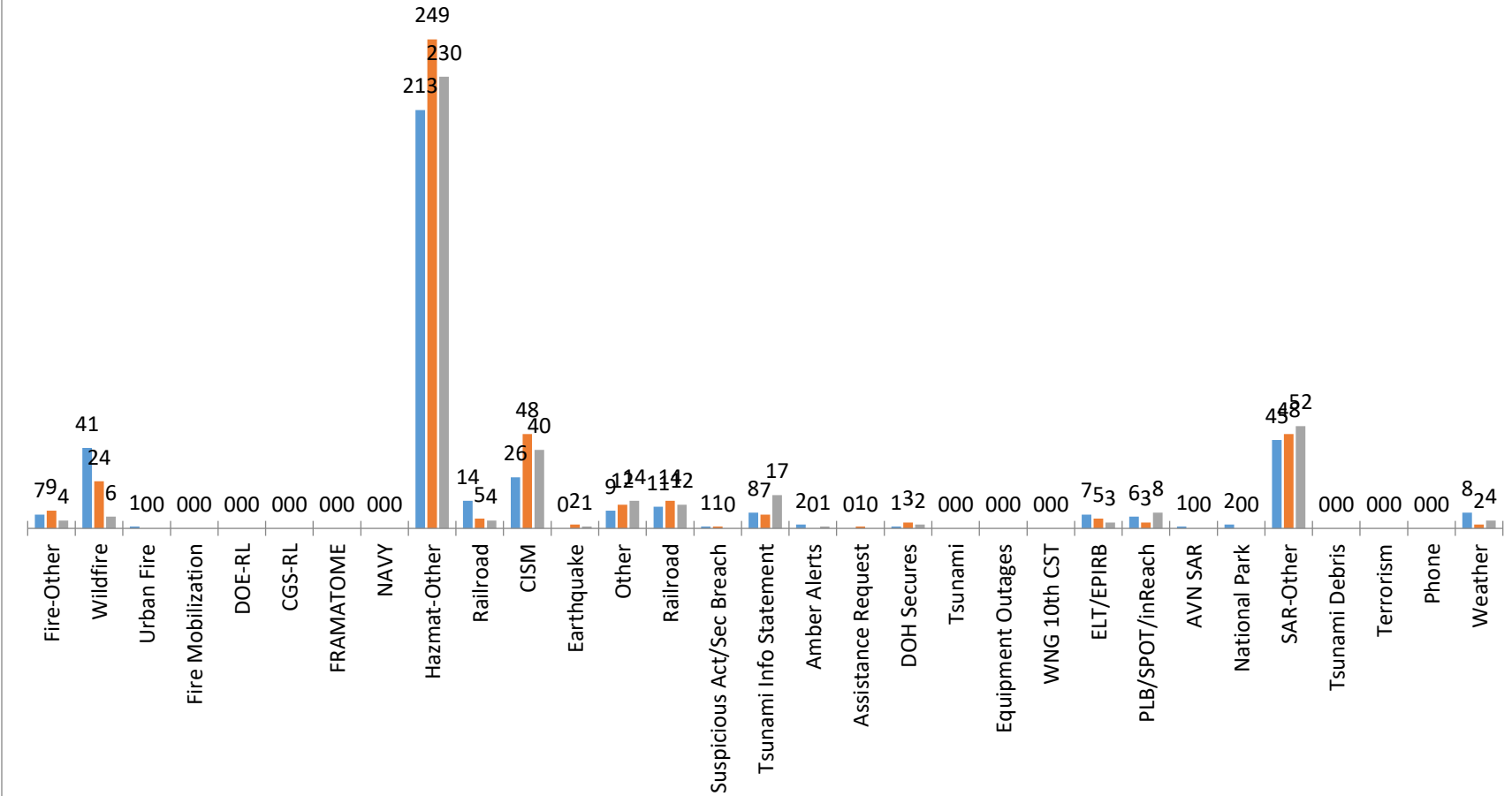
All 3Q 2021 Incidents by Type

■ July ■ August ■ September



All 4Q 2021 Incidents by Type

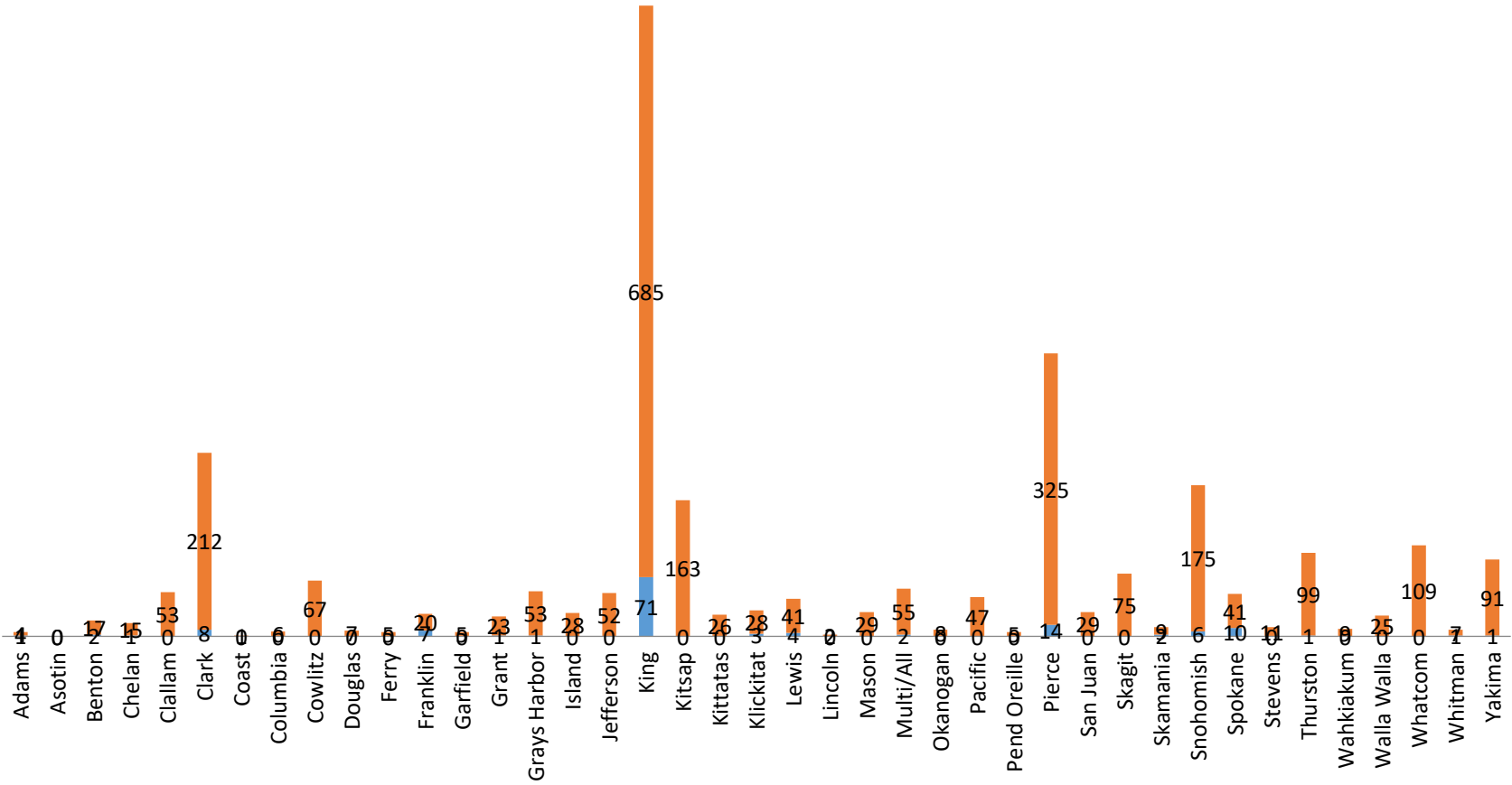
October November December



Incidents by County

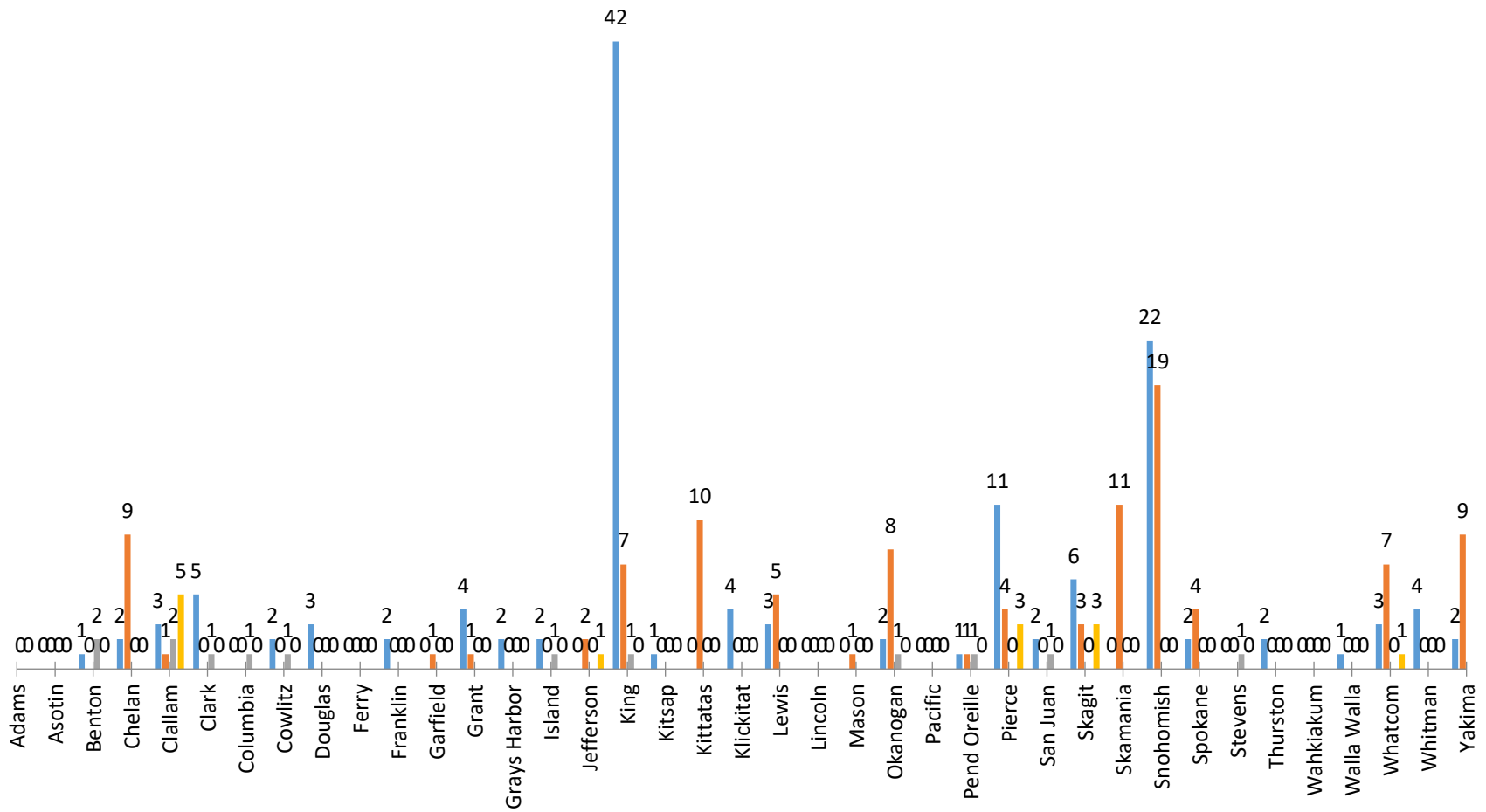
2021 Hazmat Incidents by County

■ Railroad ■ Other



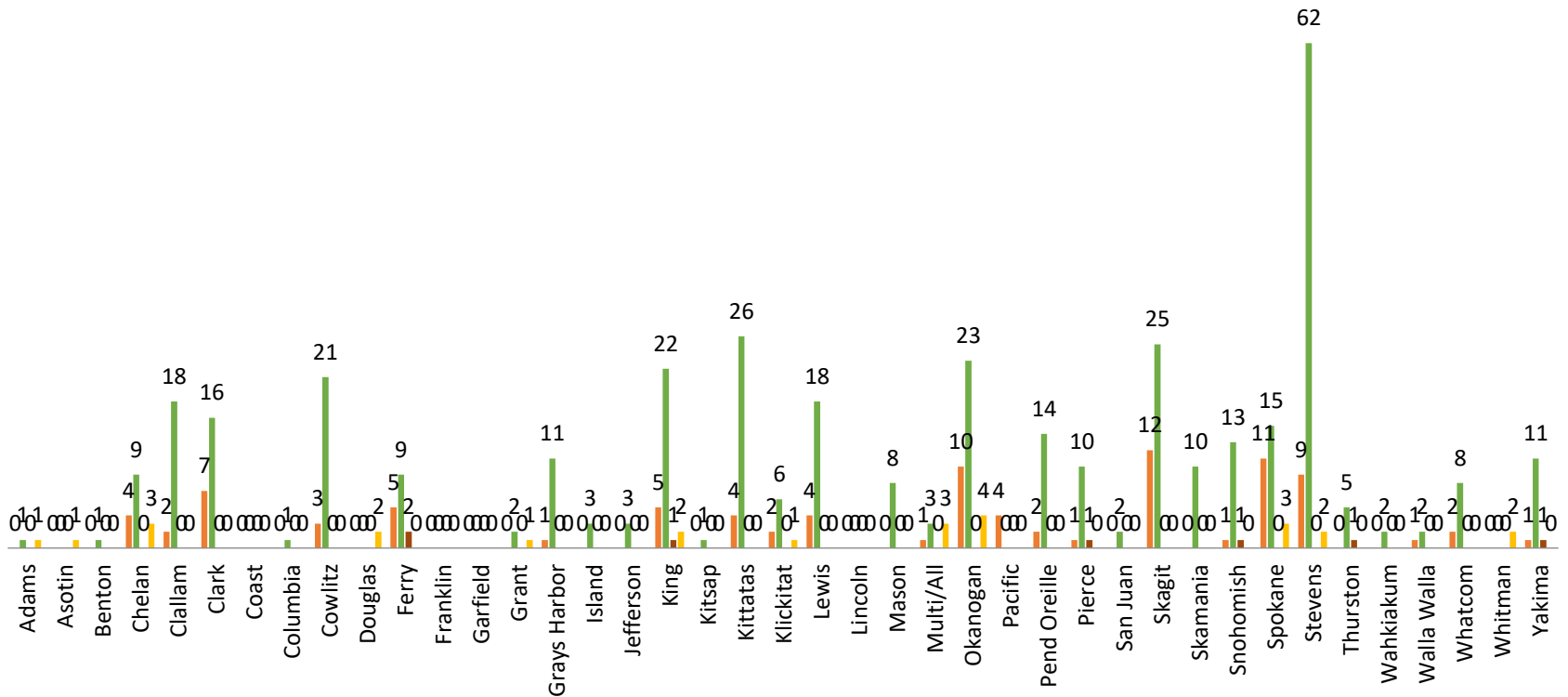
2019 Selected SAR Incidents by County

■ ELT/EPIRB
 ■ PLB/SPOT/inReach
 ■ AVN SAR
 ■ National Park

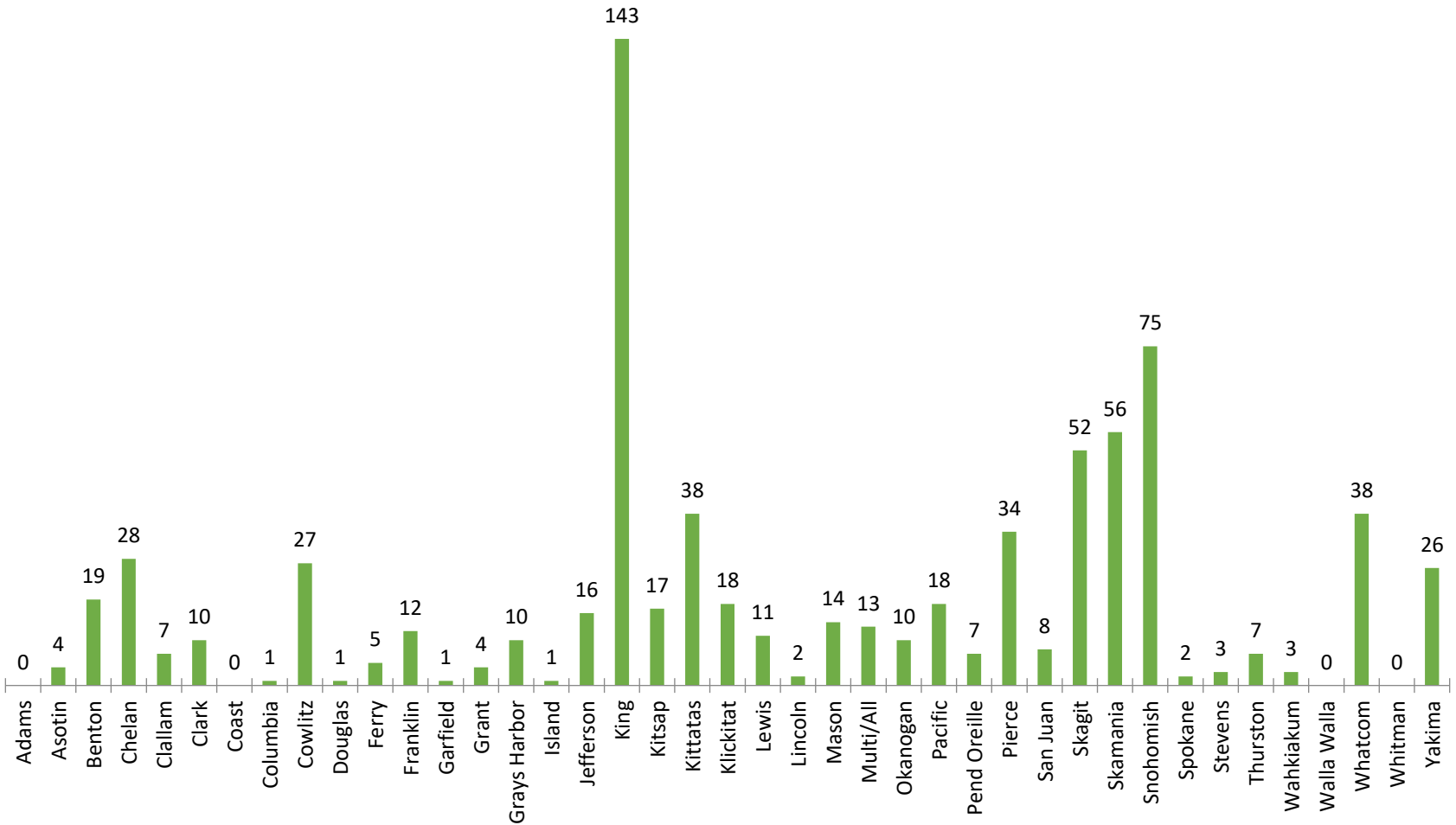


2021 Fire Incidents by County

Other Wildfire Urban Fire Fire Mobilization



2021 General SAR Incidents by County



2021 Total SAR incidents by County

■ ELT/EPIRB
 ■ PLB/SPOT/inReach
 ■ AVN SAR
 ■ Other
 ■ National Park

