



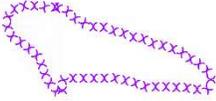
Map Symbol Standards (for Caltopo/SARTopo)

General guidelines for mapping symbols:

- A. These symbols assume the use of Caltopo / SARTopo.
- B. Where possible, standard ICS and USAR symbols are used.
- C. Dark blue color is used for most other added objects (e.g., landmarks, attractants).
- D. Circled numbers (e.g., decision points) are used to avoid map label clutter.
- E. Currently, our standards utilize only symbols available within Caltopo / SARTopo.

COMMAND AND OPERATIONAL LOCATIONS			
Concept	Symbol	Color / Label	Notes
Incident Command Post		ICS ICP Symbol	Optional: Add location name  ICP: Main Ranger Station
Staging Area		ICS Staging Symbol	Optional: Add location name  Staging: Blue River Park
First Aid Station		ICS First Aid Symbol	Optional: Add location name  First Aid at Fire Station
Medevac Location		ICS Medevac Symbol	Optional: Add location name  Medevac: At LZ Alpha
Helibase		ICS Helibase Symbol	Optional: Add location name  Kautz Helibase
Helispot or LZ		USAR Helo symbol	Optional: Add location name  LZ Alpha
UAV Launch Spot		Purple "U" inside circle	WASSPU Convention Optional: Add UAV assignment #
Radio Repeater		ICS Repeater Symbol	Optional: Specify location
Cell on Wheels (COW)		ICS Comms Symbol	Optional: Specify location

SEARCH PLANNING			
Concept	Symbol	Color / Label	Notes
Initial Planning Point (IPP)		Blue "IP" inside circle	WASSPU Convention
Place Last Seen (PLS)		Green "LS" inside circle	WASSPU Convention
Last Known Point (LKP)		Orange "LK" inside circle	WASSPU Convention
PLB (e.g., InReach) or Cell Ping Coordinates		USAR symbol for "Targeted Search"	Label with signal type, date & time
Theoretical Search Area		Radius of dashed purple line	Theoretical travel radius
Lost Person Behavior Distance from IPP		Blue dashed lines, line weight 2, opacity 50%	Label range rings with distance and % (e.g., 1.3mi 50%)
Decision Point		Numbers inside circles (Dark Blue)	WASSPU Convention No label required
Direction of Travel		Red arrow	Label angle of arrow
Lost Person Behavior Dispersion Angles		Inner (25%) – Orange Outer (50%) -- Yellow	WASSPU Convention
Scenario Locations		Red letter inside circle	WASSPU Convention
Planning Regions		Blue polygon	WASSPU Convention
Search Segments		Red polygon	WASSPU Convention
Containment Point		Blue "C" with assignment number	WASSPU Convention  Containment
Search Assignment (Line)		Color of assigned operational period	Label with Assignment ID
Search Assignment (Buffer)		Color of assigned operational period	Label with Assignment ID
Search Assignment (Area)		Color of assigned operational period	Label with Assignment ID

TERRAIN OBJECTS AND ANALYSIS			
Concept	Symbol	Color / Label	Notes
Trailhead		Blue TH inside circle	Label with trailhead name:  Comet Falls TH
Campsite		ICS Camp symbol	Label with campsite name:  Longmire Group Camp
Terrain Hazards (Point)		ICS Warning symbol	Label with specifics:  Hornet Nest!
Terrain Hazards (Area)		Purple Hatched Line	ICS standard for “Highlighted Geographic Feature” Label the hazard.
Landmarks or Other Locations		Solid blue dot	Label the landmark:  Anvil Rock
Drainages		Light blue buffer	Used to emphasize important drainages
Trail/Stream Interfaces		Light blue number inside circle	WASSPU Convention No label required
Travel Barrier		Blue barrier line	WASSPU Convention
Route Blocked		USAR symbol for “Route Blocked”	Optional: Describe block
Gate		“Soft Closure” Icon	Optional: Label gate  Gate 123
Attractant		Blue teardrop marker	Label the attractant:  Death Cliff Overlook
Cell Tower		Blue cell tower symbol Label: cell tower name	Optional: Add cell provider name
Property Camera		Blue camera symbol	Optional: Label with address

SEARCH OPERATIONS			
Concept	Symbol	Color / Label	Notes
Searcher GPS Tracks (Human)		Black line Width = 1	WASSPU Convention
Searcher GPS Tracks (K9)		Purple line Width = 4	WASSPU Convention
Searcher GPS Tracks (UAV)		Orange line Width = 4	WASSPU Convention
Searcher GPS Tracks (Helo)		Yellow line Width = 4	WASSPU Convention
Clues		ICS Clue symbol (<i>Not Add Clue</i>)	Label: ID and short description  C1 Water Bottle
Knock & Talk: At home; cooperative		Green House	WASSPU Convention Optional: Label with address
Knock & Talk: No one home		Orange House	WASSPU Convention Optional: Label with address
Knock & Talk: No permission to search		Red House	WASSPU Convention Optional: Label with address
K9 Trained Final Response (TFR)		Red dog with TFR label	WASSPU Convention Label: "TFR + K9 Name"
K9 Change of Behavior (COB)		Yellow dog with COB label	WASSPU Convention Label: "COB + K9 Name"
Search Team Waypoint		Blue map point symbol	WASSPU Convention Label: Team ID, Date, Time
Subject Location		Red "SB" inside circle	WASSPU Convention

WASSPU Caltopo Map Management



1. Creating a New Mission Map

Open WASSPU Base Map - CalTopo (Located in the WASSPU Mission Maps Folder)	The Base Map is an empty map with predefined folders (See Section 5).
Copy to a new map.	Export > Copy to a new map
Name the map with DEM #, Mission Name, and Date.	Example: 25-1234 Gem Lake 250410
If pertinent, import objects from previously-created search maps.	Export from source map as a JSON file and import into the newly-created mission map.
As needed, add folders for additional operational periods.	Import OP3/OP4 folder templates from the active mission folder.

2. Managing Mission Maps

Mission Map Security	Save the map in the WASSPU Mission Maps folder as Secret . Sharing: <input type="radio"/> Private - only you can access this map, no exceptions <input checked="" type="radio"/> Secret - anyone with an access code below, or who has already bookmarked the map <input type="radio"/> URL - anyone with the map's URL <input type="radio"/> Public - make it easy for other CalTopo users to find this map
Sharing Mission Maps	WASSPU members will have full access to this map. If the map is to be used by non-WASSPU personnel, create a Shareable Link (Update Type is recommended for search teams using CalTopo) .

3. Archiving Mission Maps

When Mission Is Over	Save maps as Private – Any previously-created Shareable Links will no longer be active. Access to the map will be restricted to WASSPU only. Sharing: <input checked="" type="radio"/> Private - only you can access this map, no exceptions <input type="radio"/> Secret - anyone with an access code below, or who has already bookmarked the map <input type="radio"/> URL - anyone with the map's URL <input type="radio"/> Public - make it easy for other CalTopo users to find this map
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Create a Backup	Export as a JSON file to the WASSPU mission folder.
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4. Multiple Mission Maps	
Multiple Operational Maps	<p>It may be desirable to create and use <u>multiple Caltopo maps</u> during a mission for the following reasons:</p> <ol style="list-style-type: none"> 1. Search teams will be using the Caltopo app on their phones when deployed on their assignments, and best practice is to provide them with a map that shows <u>only search segments</u> (and not all the visual clutter of other search planning objects (e.g., range rings, planning regions, etc.) 2. During extended or complex missions, it may be desirable to create separate operational maps for recording and processing team tracks, found clues, cell forensics, or search coverage.

5. WASSPU Standard Map Folders	
Folder	Example Contents
Attractants	Lakes, vistas, summits
Clues	Best practice is to sort clues by operational period
Containment	Containment points
Decision Points	Locations where subject may have taken a wrong turn.
Dispersion Angles	Based on direction of travel
Hazards	Cliff bands, avalanche slopes
Key Locations	ICP, IPP, PLS, LKP Important trailheads or landmarks
Linear & Terrain Features	Aids or barriers to travel
Mission Markers	Search team reported objects (e.g., gates, landmarks)
OP1 Assignment Folders	Can be separate folders for Ground, Helo, K9 and UAV
OP1 Clues folders	General, K9 Interest and Priority folders
OP1 Tracks folders	Separate folders for Human, K9 and UAV
OP2 Assignment Folders	Separate folders for Ground, Helo, K9 and UAV
OP2 Clues folders	General, K9 Interest and Priority folders

OP2 Tracks folders	Separate folders for Human, K9 and UAV
Planning Regions	Division of the entire search area into logical regions
Range Rings	Specific for selected Lost Person Behavior category
Search Boundary	Designate total operational search area
Search Segments	All Search Segments (whether assigned or not)