

# Compass Types & Models, Map, and Notebook

The dense, forested wilderness of the Appalachian Mountains and their valleys presents a unique challenge to even the most seasoned explorer. Towering trees can obscure the horizon from within its valleys, uneven terrain often makes travel challenging, and weather conditions can change instantly. Navigating this environment requires more than strength or intuition—it demands the right gear and the knowledge to use it effectively.



Together, the compass, map, and notebook form a powerful trifecta for wilderness travel. The compass provides direction, the map offers a broader perspective, and the notebook captures the journey—each working in harmony to ensure you remain oriented, adaptable, and prepared for whatever the wild throws your way. This article explores the indispensable value of these three tools at your side, diving into practical basic-level techniques and scenarios where their use transforms uncertainty into clarity and isolation into opportunity. **Note:** *The compasses shown are the Silva compasses, which I use and recommend, over other brands and models, such as Suunto and Sun.*

## Using Just a Compass

Out in the dense, forested wilderness of the mountains and valleys, where landmarks can vanish quickly while traveling from a mountain top to the valley below, a compass is more than a tool—it is your lifeline to move on a chosen path.

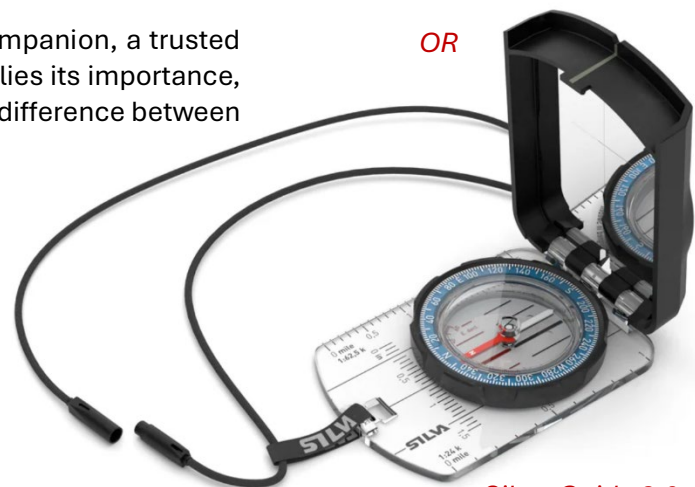
For many beginners, the thought of relying on a compass can feel overwhelming, as though it is a skill reserved for survival experts. I remember the first time I held a compass—its moving needle seemed more mysterious than helpful. But soon, I realized its simplicity was its strength. If you can trust its guidance and follow a few basic principles, this small tool will always lead you home, no matter how unfamiliar the wilderness may seem.



*Silva, Explorer 2.0*

For decades, a compass has been my constant companion, a trusted ally as I navigate nature's labyrinth. Its simplicity belies its importance, and knowing how to use it effectively can mean the difference between confidence and confusion, safety and peril. **Note:** *To learn how to use a compass correctly, go to the website at the bottom right of the end of this article and see the first section of the book you will see there.*

Before setting out, I always take a compass bearing in the direction of where I want to travel, having identified a location, such as a distinctive tree, rock, or even a distinctive ridge on a mountain in the distance. As I walk, I follow my compass, and



*Silva, Guide 2.0*

upon reaching my desired location, I stop and enjoy the moment.

When it is time to return to my vehicle or base camp, setting a reverse bearing is essential for safely navigating back to my starting point. Using the compass, I turned the compass dial from the forward position as it was set to get to my current location, bringing the opposite-degree mark to where the forward position mark was. Now, I am set to follow this reverse bearing—a simple and efficient adjustment that ensures accuracy to get back. Even when the terrain looks unfamiliar, or the environmental conditions have changed, the forested mountains and valleys can transform as shadows lengthen or weather shifts. Still, the compass remains a constant, guiding me back to safety.

Every time you pick up your compass, think of yourself as an explorer stepping into uncharted territory. Even the smallest wilderness can become a place of discovery. Practice following bearings to a landmark, enjoy the thrill of reaching your destination, and let your compass transform uncertainty into a sense of wonder. With each step, you will feel your confidence grow.

## Using Just a Notebook

A notebook alone can be a powerful tool in the wilderness, offering a way to document, plan, and reflect. Beyond its role in navigation, it becomes a personal log of experiences and critical details. When traveling through dense forests or valleys, I use my notebook to record key landmarks, such as distinctive trees, rock formations, or water sources. These notes allow me to retrace my steps or confidently identify reliable locations for resources.



Another invaluable use of a notebook is creating detailed directions for future journeys. By documenting landmarks, guiderails, backstops, and times between them—such as streams, trails, or ridges—I can plan routes for others to follow or ensure I can return to a specific location. For instance, I might write, "Cross the stream at the two large fallen pine trees, walk downstream for ten minutes, then turn left at the bent oak tree and head uphill for fifteen minutes to the clearing." These detailed notes transform the wilderness into a more navigable environment.



If the idea of keeping a notebook feels daunting, start simple. Use it to jot down observations on your next walk through a local park or trail. Write about a distinctive tree or describe the shape of a hill. Practice creating short, detailed directions for a loved one to follow. Before long, your notebook will evolve into a trusted companion, capturing the moments and details that make every journey unforgettable.

## Using A Compass and Notebook

Use the same compass shown previously. In the wilderness, adding a notebook with your compass elevates navigation to a new level. Recording the bearings taken and the landmarks where I change directions, I also record distances using time, not paces, to measure my traveled distances. This choice stems from experience: the uneven terrain of the mountains, the climb up steep ridges, and the dense underbrush make pacing inconsistent. By recording the time, it takes to travel between bearings, I can focus on my surroundings instead of counting steps. Time accounts for variations in speed due to the environment—slowing on an uphill climb or weaving through thickets—and gives me a more reliable estimate of my progress. These notes are invaluable if I need to retrace my steps or find an alternate route. My notebook becomes a navigational journal, each entry a snapshot of my journey through the wilderness.



In forested mountains and valleys, where natural obstacles can force unexpected detours, a compass and notebook also help me adapt on the fly. When a swollen stream blocks my path or a steep slope proves impassable, I use my compass to take a new bearing around the obstacle, carefully recording the adjustment. These notes allow me to return to my original route once the obstacle is behind me, ensuring I stay oriented even in challenging conditions.

A compass and notebook become vital for communication and rescue planning. If I were to divert from my planned route, which family and friends knew I was taking, I would use a page from my notebook to leave detailed notes about my new direction, including bearings and estimated travel times. These notes can be left at a campsite or other visible location for family, friends, or searchers to find.

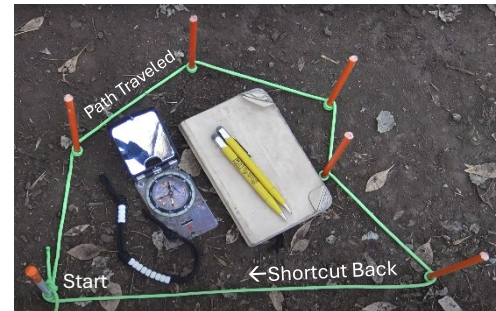
Lastly, these tools play a role in long-term planning and reflection. After each journey, I review my notebook entries to learn from my experiences. I analyze the efficiency of my routes, identify areas where I could improve my navigation skills, and refine my techniques for future trips.



### Ground Map Making and Heading Back Using a Compass and Notebook

Use the same compass shown previously. Making a map on the forest floor is an invaluable skill in the wilderness, especially when navigating unfamiliar areas. By clearing a small area on the forest floor and having my compass and notebook ready, I use string to represent the paths I have walked and sticks to indicate direction changes. Each segment of the string corresponds to a specific amount of time traveled, ensuring that my ground map accurately reflects my journey. My notebook becomes the companion to this method, detailing landmarks and times at each directional change. This system allows me to visualize my progress and make decisions with a clear understanding of my position.

Sometimes, returning along the same route is impractical, and my ground map shows me a shortcut back to my starting point. In those cases, my ground map and compass allow me to plot a new course back to where I started. I can calculate a more efficient or safer route back. This flexibility ensures that I am never at the mercy of unforeseen challenges, and my journey remains under my control.



### Using A Compass and Map

This compass has a declination setting within the compass for when using a map and compass use together in the wilderness; this compass requires no use of math when taking bearings. Triangulation is another indispensable method I employ in the wilderness. When uncertain of my location, I sometimes hike to a high ridge where I can see beyond the immediate forest canopy to gain a wider view of the landscape. Then I use my compass to take bearings towards two prominent landmarks in the distance—perhaps a jagged mountain peak and a distinctive outcrop—and draw reverse bearings on my map from these landmarks. The point where the reverse bearing lines intersect reveals my current position.



*Silva, Explorer Pro*

Knowing where I am currently on my map allows me to find where I can go to find water. I can see a stream, pond, or lake on the map, determine the bearing that I need to take, and set my compass accordingly. The map provides the distance from where I am to the water source I want to travel to; knowing that I walk an average of three miles per hour, I determine how long it will take me to get there. A map allows you to see the landscape beyond what you can see visually from the ground alone. I have used the *Silva Ranger* compass for more than 40 years.

*This compass model will also work.*

*Silva, Ranger 2.0*



**Note:** These two compasses will also work fine for the “Using Just a Compass” section of this article.

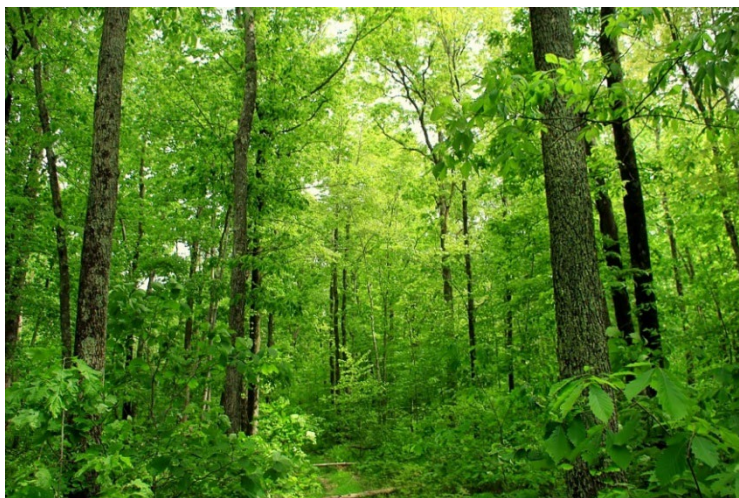
### Compass Use at Night

The Tritium luminous feature of the *Cammenga* lensatic compass makes this specific compass the best compass for working in the dark of night without the need to use the sighting feature.



### Closing Thoughts

The compass, map, and notebook together form a triad of reliability and insight, enabling me to navigate and document even the most challenging wilderness. Each tool serves a distinct yet interconnected purpose. The compass ensures precision in direction, the map provides a broader perspective, and the notebook captures the intricate details of every step. Whether facing dense canopies, rugged mountains, or shifting weather, these tools allow me to adapt, plan, and enjoy my time in the wilds of nature.



You hold the keys to a world of independence and adventure by carrying a compass, map, and notebook. These tools do not just guide you—they empower you to explore confidently, adapt to challenges, and unlock the secrets of the wilderness. You are no longer at the mercy of the unknown but equipped to navigate it with clarity and purpose.



Through their use, I am not merely a traveler in the wild—I am an observer, a planner, and a participant in the natural world. These tools transform the uncertainty of the wilderness into an opportunity for growth and discovery. They remind me that success in the wild is not about conquering nature but working with it, understanding its patterns, and respecting its power. With a compass to guide, a map to orient, and a notebook to record, the wilderness is no longer a place of fear but a realm of endless possibilities.



Terry Campbell (01/24/2025)

[www.PrepareSurviveAdapt.com](http://www.PrepareSurviveAdapt.com)