

Topo Excerpted From:  
**Yosemite Valley Free Climbs**



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# Yosemite Valley Free Climbs

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S U P E R T O P O S

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## Introduction

by Chris McNamara

Yosemite is much more than a valley with 3000-foot rock walls and incredible climbing. It is an outlet for the energies of the world's most passionate and adventurous people. Yosemite inspires the souls of climbers and non-climbers to reach for something beyond themselves and to travel to a place—physical and mental—where they have never been before. Few climbers can resist Yosemite; nearly every climber who has the opportunity to get to Yosemite manages to make the trip.

The first visit to Yosemite is overwhelming—there's so much rock on an incomparable scale. First, the big walls dominate your view: El Capitan, Half Dome, and Sentinel. They seem too massive to be of this world, let alone climbable. Next, you look at all the small cliffs between their giant neighbors. Wait a minute . . . those "small" cliffs are more than 500 feet high! Is this place real? It's all a bit hard to comprehend at first. There is little to which you can compare Yosemite's walls other than tall buildings, which isn't much of a comparison. All this rock of such unfathomable size fills you with both fear and anticipation. Yet as daunting as the rock faces in Yosemite appear to be, they scream to be climbed. And that's why you've come here.

### Yosemite Climbing Skills

At first, Yosemite climbs feel weird and insecure. They demand strength and technique not easily acquired at your local gym or crag. The slick, glacier-polished rock has few handholds. Instead, you jam your hands and feet in cracks and smear your feet on, well, sometimes on nothing. There is more balance and subtlety involved

Tommy Caldwell on Pitch 6 (5.12c) of Lurking Fear. (Corey Rich)

than brute strength. When your natural instinct is to grab and pull, often you need to relax and balance.

At first, don't be surprised if you find yourself yelling down to your partner, "This 5.9 feels like 5.11!" The good news is that Yosemite climbs are within your grasp—they just take extra patience and resolve. Take solace in the fact that all new Yosemite climbers get humbled at some point but they eventually develop the subtle skills necessary to move up Yosemite granite. The more time you spend on the rock and the more technique you build, the more climbing opens up to you. Suddenly the thousand-foot-tall walls shrink a little and don't seem as intimidating. Before too long you're planning your ascent of The Nose of El Cap.

Unfortunately, there are few easy climbs to introduce you to Yosemite climbing. We searched the Park for every easy and moderate route worth climbing and put them in this book. However, there still isn't much at the lower end of the spectrum. If you're looking for 5.7 and easier climbs, be prepared to bunch up on a few crowded routes. It's not until you climb 5.8 and harder that your options start opening up in Yosemite. If you cannot lead 5.8 or harder, it's a good idea to climb with someone who is familiar with the area and can give you pointers, set up topropes, and lead you up multi-pitch routes.

Most climbing in Yosemite is traditional climbing where you climb cracks and place your own gear. But the crack technique here is difficult, and it's not an ideal place to learn. It is best to have your gear-placing, anchor-setting, and rope-managing skills dialed before visiting. Your best bet is to start top roping the very lowest grades of cracks. Once familiar with the rock, try out some one-pitch leads and then move on to the multi-pitch climbs.

Overall, Yosemite is not a great sport climbing destination, but we highlight about 40 well-bolted climbs, mostly in the 5.10 and 5.11 range. In general, most bolted climbs easier than 5.10 are runout except for about ten well-bolted 5.8 and 5.9 routes in this book.

## Equipment

It's hard to climb in Yosemite without a full trad rack of cams from .5-4" and two sets of stoppers. For the bigger cracks (1-4") almost any brand of cam will do. For the thin pin-scarred cracks, Aliens work best. On most climbs you will also want about eight quickdraws and eight slings to reduce rope drag because many pitches wander. A cordalette is useful for equalizing gear in a natural belay.

Most pitches in Yosemite are 90 to 130 feet long so a 50m rope works fine. However, a 10mm x 60m rope has become the Yosemite standard because it allows you to link pitches and it gives you more options for setting up topropes at the crags. For some crags and most multi-pitch routes where you must descend by rappel, you will need a second rope to get down. (8mm is a good diameter).

On long routes, avoid the hassle of climbing with a pack by using a Camelback and clipping your lightweight hiking shoes to your harness. The Camelback holds enough water for most long climbs as well as space for a few essentials such as food, a small LED headlamp, super-compact rain shell, sunscreen, and cell phone.



Corey Rich

## Anchor Conditions

Since 1997, the American Safe Climbing Association has replaced more than 1,300 bolts in Yosemite Valley. While most popular climbs now have safe bolts, be aware that some bad bolts remain. View which routes the ASCA has replaced at the ASCA web site, [www.safeclimbing.org](http://www.safeclimbing.org) and please make a tax-deductible donation. Even a mere five dollars will replace at least one bolt. And that bad bolt could be the one that blows on somebody!

## Essential Yosemite Beta

Below we list some fundamental information for planning a trip to Yosemite. However, for more updated and extensive information you should visit the Yosemite Beta Page on the SuperTopo web site: [www.supertopo.com/climbingareas/yosemite.html](http://www.supertopo.com/climbingareas/yosemite.html)

## Getting There

### Air Travel

The closest major international airports are Oakland International (3.5-hour drive) and San Francisco International (4-hour drive). Of the two, Oakland is preferred because it's less chaotic and 30 minutes closer to Yosemite. Sacramento International is also a 4-hour drive from Yosemite but has fewer connecting flights. Fresno Yosemite International is only a 3-hour drive but offers the fewest flights. Since all of these airports are about the same distance from Yosemite, shop around for the best fares. Some climbers fly into Los Angeles International, which is a 7-hour drive to Yosemite.

### Train Travel

The train is not the fastest way to Yosemite but it's a cool way to travel. From Emeryville (a 20-minute bus ride from San Francisco) take Amtrak to Merced and board the Via Bus to Yosemite. There are three runs from Merced in the morning and one at 5:25 P.M. The cost is \$20 round trip from Merced to Yosemite. From Los Angeles, Amtrak has a bus to Bakersfield that connects with a train to Merced. From there take the Via Bus to Yosemite.

**Bus Travel**

Short of having a car, the bus is the best way to get from a major airport to Yosemite. From Oakland, San Francisco, or Los Angeles take the Greyhound Bus to Merced and then the Via Bus to Yosemite. Plan a full day of travel if riding the bus. From June to November you can only reach Yosemite from Mammoth by the YARTS bus.

**Car Travel**

There are four state highways that access Yosemite: 120 from the west, 120 from the east, 140 from the west, and 41 from the southwest. The fastest access from the San Francisco Bay Area is 120. Highway 140 is the best option if coming from Los Angeles or Fresno. Highway 140 is also the lowest elevation road and offers the best winter access if 120 and 41 have chain controls (chains are rarely required on 140).

Highway 120 from the east (aka The Tioga Pass Road) offers the best summertime access from Bishop, Utah, Nevada, and eastern states. However, this road closes after the first major winter storm (usually in November) and doesn't open until the snow melts (usually late May). To access Yosemite from the east in winter, you must get to the west side access roads by driving north through Tahoe or south through Bakersfield.

Rent a car at any airport or major city. International climbers who stay in the United States for more than a month often buy a used car in San Francisco or Los Angeles and sell it (or scrap it) at the end of their trip. To find a cheap car, look in the local papers or on [www.craigslist.org](http://www.craigslist.org).

Many people stay in Yosemite without a car. Renting a car is expensive and it's possible to reach most climbs by the free park shuttle bus. However, the shuttle does not serve areas west of Camp 4, including El Capitan, Leaning Tower, Cookie Cliff, and Reeds Pinnacle. To reach these areas without a car, hitchhike or ride a bike.

NOTE: Major changes are planned for Yosemite that will greatly affect transportation inside the Valley. Check the SuperTopo web site for the most current information on changing car restrictions and bus routes.

**Driving times and distances to Yosemite Valley**

From	Time (hours)	Distance (miles)
Boulder, CO*	20:00	1,254
Fresno, CA	2:20	90
Truckee, CA	4:00	240
Los Angeles, CA	6:00	311
Mammoth, CA*	2:30	95
Oakland, CA	4:00	172
Sacramento, CA	4:00	174
Salt Lake City, UT*	12:00	707
San Francisco, CA	4:00	192
Tuolumne Meadows	1:30	60

\*Driving times are 2 to 4 hours longer when Tioga pass is closed, usually from November to May.

**When to Climb**

Yosemite has some of the best weather of any climbing area in the United States, but nasty storms occur throughout the year. Because the climbs start from elevations between 2,800 and 7,500 feet, there is usually some place with good climbing temperatures most of the year. Spring and fall have the best climbing weather. Summer cragging is usually uncomfortably hot but the longer and higher routes can be cool enough. Winter can have good climbing weather but can also have months of severe Sierra storms. A dry November is our favorite time in Yosemite—perfect temps in the sun and no crowds. For current road and weather conditions call 209-372-0200 AND check the many online forecasts.

**Seasons**

**November–March** The Valley empties of climbers and tourists, which creates a more pristine setting and unspoiled feel in the Valley. During this time there is usually an equal number of clear and stormy days. Most of the long routes at higher elevations are too wet or cold, but there are many sunny and dry cragging areas, mainly west of the Highway 140/120 junction in Lower Merced Canyon. When bad weather rolls in, things get nasty very quickly. Pacific storms usually bring three days of heavy snow or

rain but can last up to a week or longer. Usually it only takes a day for most sunny crags to dry out after a storm. If a two-week storm system rolls in, it's time to ski or snowboard at Badger Pass in Yosemite or head to Joshua Tree. If camping in the Valley during the winter, prepare for long cold nights.

**April–May 15** Walls and the Valley are still uncrowded. It's warmer, but there is the same 50/50 chance of getting either good or miserable weather. If you are traveling from far away this is a risky time to visit, especially if you only have a week or less of vacation. Most of the long climbs are still too wet or cold, but the crags are dry.

**May 15–June** Perfect weather and big crowds of both tourists and climbers. Long days make this a great time to do a lengthy multi-pitch route.

**July–August** The Valley is still crowded with tourists, but the climbs are uncrowded as most people head to Tuolumne for cooler weather. While Valley floor temperatures are often in the 90s and 100s, temperatures on the walls 500 feet above the Valley are usually comfortable in the 70s and low 80s. Prepare for the heat with plenty of extra water.

**September–October** The Valley is crowded with tourists and climbers. The weather is generally perfect except for the occasional lingering heat wave. The first winter storm usually arrives in late October or early November.

### Staying in the Park

Yosemite Valley is a small tourist town filled with buildings, roads, cars, and people. The bad news is that the restaurants, stores, and motel-like rooms take away from the natural beauty of the park. The good news is that these same things make the Valley quite accommodating. You will find pizza, burgers, groceries, climbing gear, a medical clinic, motels, swimming pools, rafts, bike rentals, and if you find yourself in an unfortunate situation, a jail.

Month	Average precipitation	Max/min temp in degrees F
January	6.35"	47/25
February	6.64"	55/26
March	5.87"	58/30
April	3.29"	65/34
May	1.48"	71/39
June	.51"	80/46
July	.29"	89/50
August	.06"	89/50
September	.55"	82/48
October	1.68"	72/39
November	3.49"	57/30
December	7.10"	49/26

### Camping

Camp 4 is the historic center of American climbing. It is also Yosemite's only walk-in campground and the cheapest place to stay. No reservations are required, but during peak season (May–October) expect a long wait to secure a campsite. The cost is \$5 per person per night with a 14-day limit on your stay. Each six-person site is a twenty-foot-square patch of dirt with fire pit and picnic table. If there are fewer than six people in your group you will share the site with others. There is a bathroom and a sink in the middle of Camp 4, but no warm water or showers. A bulletin board next to the Ranger Kiosk offers the chance to find climbing partners, friends, and used climbing gear. All other Yosemite campgrounds require reservations during peak season. Call 800-436-PARK to make reservations or go online to: <http://reservations.nps.gov>

There are a variety of places to camp outside the park boundary on Forest Service Land. Check out the Forest Service web site for more info: [www.r5.fs.fed.us](http://www.r5.fs.fed.us)

### Lodges and Cabins

In addition to campsites, there are more plush accommodations available in Yosemite. If you are ready to pay the big bucks, you can stay at the lovely Ahwahnee

Hotel, or for a more modest price you can crash in a motel-like room at the Yosemite Lodge or a canvas-topped cabin in Curry Village. Also, vacation homes are located just minutes out of the Valley in Foresta (with views of the summit of El Capitan and Half Dome). Check out the awesome cabins at [www.4yosemite.com](http://www.4yosemite.com) or call 800-723-4112 and ask about the climbers' specials. In the summertime your best bet is to make reservations well in advance of your visit. Spaces fill up early for lodges and cabins in the tourist season of June–September.

### Food

Groceries are available in the Valley at the Village Store, Curry Village Store, or Lodge Store, but it is much cheaper to buy groceries in Oakdale, Merced, or Oakhurst on the drive to Yosemite.

There are a variety of restaurants in the Valley that serve everything from pizza and deli sandwiches to the spendy stuff at the Ahwahnee Hotel. Here is a quick listing of some of the Valley restaurants by location:

**Yosemite Lodge:** “The Cafe” (cafeteria), Mountain Room Bar and Grill.

**Yosemite Village:** Degnan’s Deli, The Loft (pizza and pasta), burger stand.

**Curry Village:** Pizza Deck (with bar), cafeteria, taco shop, all-you-can-eat buffet.

### Showers and Laundry

Showers cost \$2 (towel included) and are available at Housekeeping or Curry Village. Laundry is available at Housekeeping.

### Climbing Gear and Climbing Guides

The Mountain Shop (209-372-8396), located in Curry Village, is one of the premiere climbing shops in The West. From bouldering pads to haulbags to the latest route beta, they have it all.

You can get climbing instruction, arrange for a guide, and also rent gear from the Yosemite Mountaineering School and Guide Service. There are also a variety of climbing shops in the San Francisco Bay Area where you can purchase gear. In San Francisco: Mission Cliffs and The North Face. In Berkeley: REI, Wilderness Exchange, Berkeley Ironworks, and Marmot Mountain Works.

If you are coming from the east side of the Sierra, then visit Wilson’s Eastside Sports in Bishop or Mammoth Mountaineering Supply in Mammoth—both have an extensive selection of rock climbing and mountaineering gear.

### Bears

Bears have damaged cars for as little as a stick of gum or an empty soda can. If you want what’s yours to remain yours, remember three things: bears are hungry, smart, and strong. Bears are responsible for close to a thousand car break-ins every year in Yosemite, as all the shattered glass in the parking lots will tell you.

When bears smell food, even if it’s locked in your trunk or glove compartment, they shift into high gear. They get turned on by odors of containers that used to contain food, and for toothpaste and sunscreen. Bears don’t even need to smell food; they see something like a grocery bag or an ice chest, and associate it with food. In fact, they don’t need to see that much. If a bear notices clutter inside a car, he’ll think, “I wonder what’s under all that stuff?” and go to work.

Breaking into a car is a trivial exercise for a bear. He inserts his claws at the top of the door frame and pulls down. Then he climbs in and trashes the car. You can’t outsmart or out-muscle a bear. Stash your food in one of the bear-proof storage lockers provided by the Park Service at all campgrounds and throughout the Valley. Proper food storage is essential to protecting your property and more importantly the life of the bear. When a bear starts to endanger people it may be killed by the Park Service. Visit [www.nps.gov/yose/bears.htm](http://www.nps.gov/yose/bears.htm) for more info.

### Poison Oak

Poison Oak grows sporadically throughout the Valley, especially in the Lower Merced Canyon west of the 120/140 junction. Find someone to show you what it looks like and be especially careful in the winter when poison oak loses its leaves and is difficult to see.



### Cell Phones

Should you or your partner get hurt while climbing, cell phones shorten the rescue response time. However, cell phones in the outdoors are annoying so keep them put away except for in emergencies. Cell phone coverage in Yosemite is spotty. There is generally decent reception between El Cap Meadow and Curry Village. As you gain elevation on a climb, the reception often improves. West of El Capitan the coverage deteriorates quickly. A good number to have programmed on your phone is the road and weather report: 209-372-0200.

### Rest Days

What do you do when Valley temperatures hit the 90s? Head for the water. Rent rafts from Curry Village and float down the Merced River, or just dip into the water next to El Capitan Meadow. There are two great swimming holes 40 minutes outside of the Park boundaries. About 10 miles west of the Highway 120 entrance station, take a left immediately after a large bridge.

Here you will have your choice of jumping off 15- to 25-foot cliffs or just kicking back next to the water. West of the Highway 140 entrance station is the Octagon, which features a rope swing, sketchy cliff and tree jumps, and great spots to kick back and have a BBQ. The directions to this place are more devious so you will have to hunt down a local Yosemite climber for information. In winter, when the Valley is too snowy, go ice skating at Curry Village or head to Badger Pass for some skiing or snowboarding. There are also a number of interesting exhibits in the Valley such as the Indian Museum, Visitors Center, and the Ansel Adams Gallery.

Don't forget the many great Yosemite hikes. Here's our favorite: park at El Cap Meadow and hike to the base of The Nose. Next, skirt the base right for about 30 minutes all the way to the edge of the Southeast Face around Zodiac. Look for booty (dropped gear from El Cap climbers) and bring a bag to pick up trash.



Justin Bellie

## SuperTopo Mission

- Help climbers ascend and descend routes quickly, efficiently, and safely by creating the most accurate and informative climbing topos ever published.
- Capture the mystery, adventure, and humor of climbing by publishing the histories, anecdotes, and outrageous stories of each route.
- Promote clean climbing by publishing the most up-to-date rack info as well as hammerless ratings for each pitch.
- Stress the importance of low impact climbing and promote stewardship of the environment.

## Visit [www.SuperTopo.com](http://www.SuperTopo.com) before each climb

There is much more beta available for free on the SuperTopo web site: [www.supertopo.com](http://www.supertopo.com). Visit the web site before your climb to be sure you have the latest information.

The web site offers additional free beta for each climb:

- photo galleries
- trip reports
- route condition updates
- closures and rockfall warnings
- sign up for “route beta email alerts”

The web site is packed with general Yosemite info:

- free downloadable color topos
- road and weather conditions
- everything you need to know about staying in Yosemite
- good routes for first time Yosemite climbers
- general trip planning info



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## Washington Column

To the east end of the Valley juts an impressive prow of overhanging rock. Washington Column bears its name from a supposed resemblance to our first president. Its 1,100 feet of golden granite is divided into two distinct faces. The East Face sports long, clean, continuous cracks on a steep and intimidating wall. The lower-angle South Face features are more varied and vegetated with a surprising number of trees. Making convenient anchors, these trees inspired one of the first serious roped climbs in 1933. Though unsuccessful, the attempt opened minds to the possibilities of Yosemite's walls.

### Approach

This approach is about a mile long, takes 40 minutes, and gains 1,000 feet in elevation. From the Ahwahnee Hotel parking area, hike east along a dirt road (through the valet parking area) until reaching the bike path. Continue east (left) for about 0.5 mile to a point where the bike path and horse trail (on the left) nearly meet. At the point where the bike path turns right, head left, cross the horse path, and continue into the trees. (Don't worry if you miss this trail—just walk up the hill, meet the wall, and walk right.) A climbers' trail winds up to the base of a wall and then continues up and right to the base of the East Face of Washington Column.

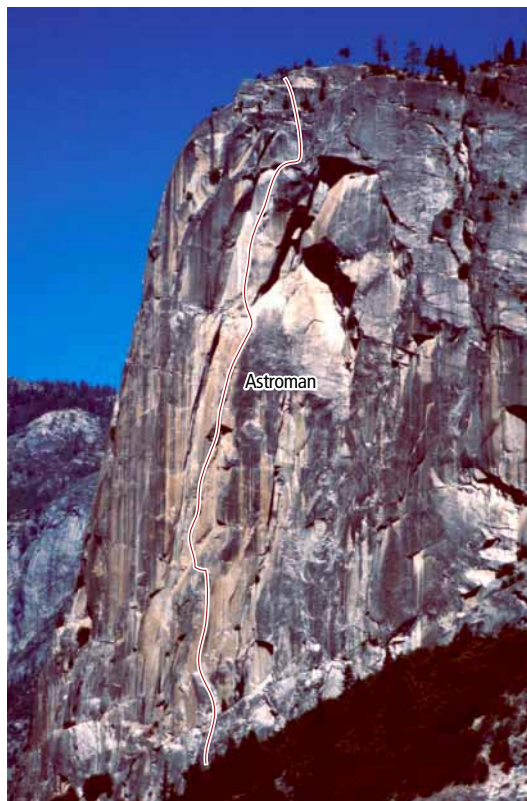
### Descent

From the top of Washington Column there are three descent options:

#### North Dome Gully

Though by no means enjoyable, this is the best and fastest descent option. Allow 1-2 hours if experienced with the descent and 2-4 hours if it is your first time. Do not attempt it at night unless you're familiar with the descent.

For this descent, refer to the North Dome Gully Descent description.



Chris McNamara

#### Royal Arches Rappels

This option depends on your ability to find the top of the Royal Arches route. This is a difficult task unless you have already climbed the Royal Arches. This option takes 2-4 hours.

#### North Dome Trail

This is the longest and most grueling descent but may be the best option if you are descending in a storm and are unfamiliar with the North Dome Gully. For this descent, walk northwest until you pick up the North Dome Trail. Follow this for about 8 miles until you reach Camp 4.

**Astroman** 5.11c★★★★★

Time to climb route: 10 hours

Approach time: 40 minutes

Descent time: 1.5 hours

Sun exposure: sunrise to early afternoon

Height of route: 1100'

Astroman is one of the best long free routes in the United States. When first established, it was the domain of only the most honed climbers in the world. Today, still considered a Valley testpiece, Astroman has lost little of its stature or mystique. It's the gold standard of long and hard free climbing and most tall climbing areas have some route which is measured against it. Climbers who have the skill and nerve to attempt Astroman will find tremendous exposure, flawless rock quality, and mostly solid protection. The climbing involves every technique imaginable, from balancy face moves and boulder problems to sustained hand jamming and a squeeze chimney.

**History**

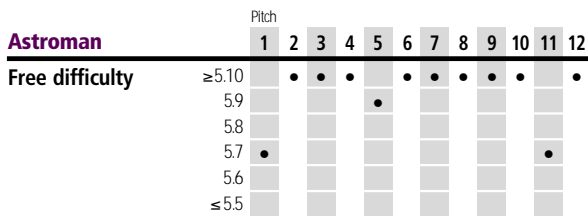
I was not too happy with the route name Astroman when I first heard it. Sure, the word itself had a fabulous ring to it, but the newly named route already had a name. This was what disturbed me. Never mind that the old name was pedestrian: the East Face of the Washington Column. This was back in 1975, and the arrogant notion of re-naming a route once it had been freed was fairly new. (I'm still not thrilled by this dying trend—and pleased that Lynn Hill didn't re-name The Nose!) And yet the climb christened Astroman, so radically different from the East Face route of 1959, perhaps demanded a new name.

When John Bachar, Ron Kauk, and John Long topped out on that afternoon a quarter-century ago, they knew they had done something remarkable—the most continuously difficult free climb in the world. Of the 12 pitches, two were easy, five were 5.10, and five were 5.11!

The original ascent, made by Warren Harding and Chuck Pratt, had been a fixed rope effort from bottom to top—a year-long adventure. In addition, the trio had used aid on virtually every pitch—probably 225 aid placements altogether. The route overhung for much of its 1100-foot height and it leaned annoyingly to the right on many pitches, making even the aid strenuous. Pratt and I, along with Eric Beck, made the fifth ascent in 1967 and used about 150 aid placements. The idea that the route would ever go free was ludicrous. Even that great crack specialist Pratt never harbored such a thought, though he did some scary and innovative 5.10 climbing on this route.

Kauk and Bachar, both 18 years old, went up on the route early in 1975 to see if a long, steep corner low on the route could be freed. Incredibly continuous, the corner (soon named the Enduro corner) did indeed go free at 11c. Kauk later called this severe pitch the “key to the door.” The remainder of the route didn't look much worse, and when John Long heard this news he persuaded the pair to head back up with him.

Bachar led a short but fierce 11c “boulder problem” near the bottom for the first time. Kauk led both the Enduro corner and the 11a section just below the fabled Harding Slot in great style, but aid climbers above slowed the party by mid-afternoon. The trio descended to a bivy ledge, leaving a few ropes fixed. The next morning saw



Long tackling the horrendous difficulties above the Harding Slot, including a harrowing mantelshelf of 11a, and higher, a short section of 11b. A few hundred feet of “moderate” crack climbing followed, then Long led the summit pitch, a loose and unprotected 10d face.

Climbing historian Jim Vermeulen sums up the achievement: “In two short days, the trio had changed the rules of wall climbing.” From this point onward, the lure of a first free ascent was just as powerful as the idea of a first ascent, and the Valley’s hard men and women soon turned to even more intimidating walls, knowing that anything was now possible.

Kauk and Bachar both returned to Astroman within a year, and the climb quickly became a testpiece for climbers who wished to test their crack skills and/or gain notoriety. Werner Braun, who has lived and climbed in the Valley for 30 years, has done the route some 50 times. At least two climbers have soloed the wall unroped: Peter Croft (in 1987—and he did it several times) and Dean Potter (in 2000). Croft’s ascent stunned the climbing world as the boldest ascent in Valley history. Generations of roped climbers will find the route strenuous, historic and more than enough exercise for a day’s outing.

– Steve Roper

### Strategy

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There are many crux sections but the main difficulty is maintaining mental and physical stamina through the consecutive 5.10 and 5.11 pitches. Despite its fame, the hard climbing keeps the crowds away. While

you can pull through crux hard moves on gear if necessary, only solid 5.11 climbers should try this route.

Pitch 3, the Boulder Problem, is the technical crux and requires powerful lieback moves with thin protection. The Enduro Corner is steep and sustained and sets the pace for the demanding pitches above. The Harding Slot, Astroman’s most notorious pitch, has reduced many talented climbers to curses and whimpers. (Tip: retie your knot so that it hangs well below your waist and out of the way.) This pitch is wet in the winter and early spring. The dangerous and runout last pitch is protected largely by fixed pitons and copperheads and is wet in spring. Find out the condition of this pitch before heading up on the route.

Sun hits the route first thing in the morning and leaves the face at 1 P.M. Spring and fall are the best times to climb. During the summer, only exceptionally fast teams are able to climb the route while completely in the shade and even then heat may be a problem.

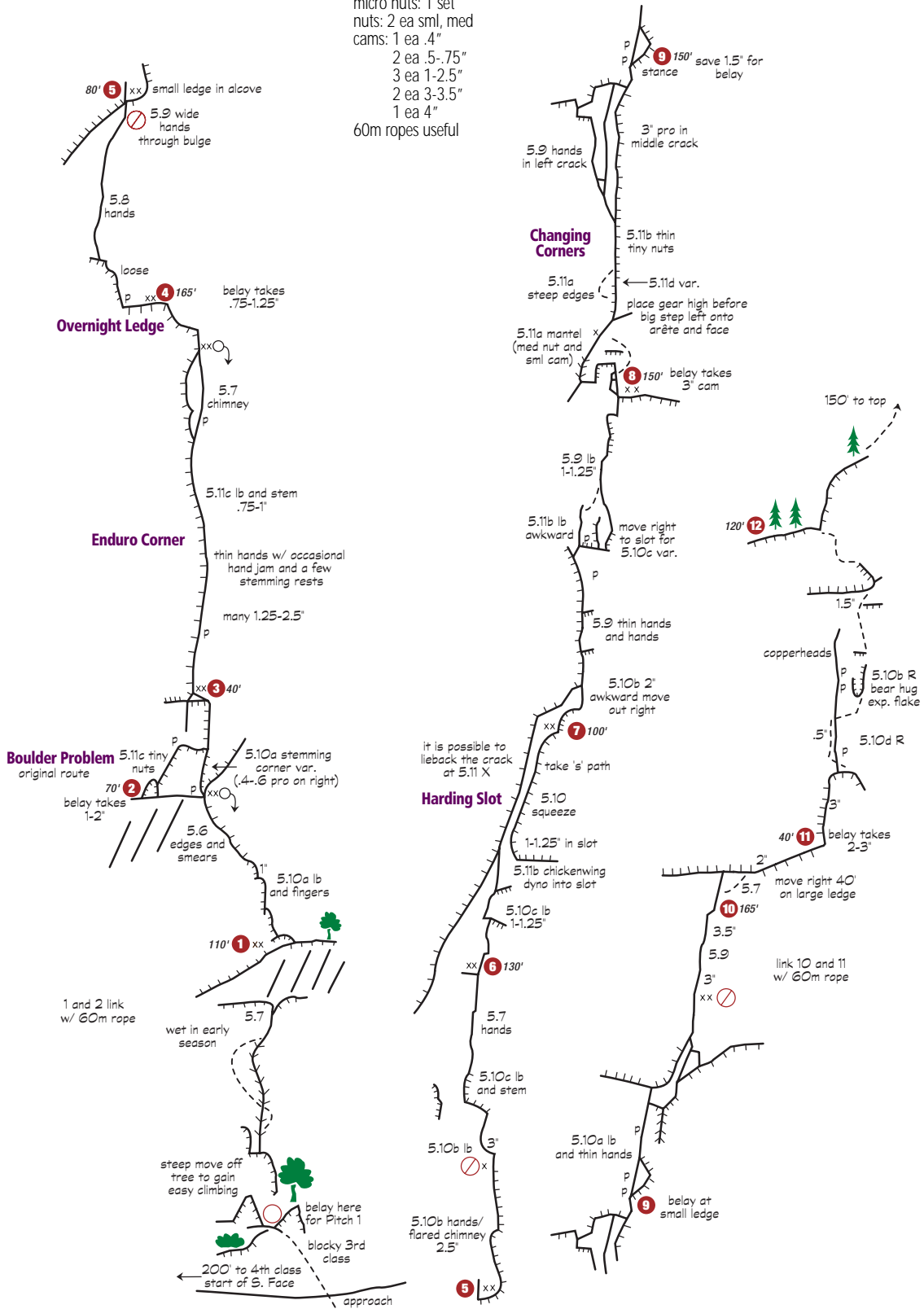
### Retreat

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Two 50m ropes are needed to retreat. The route can be rappelled easily from Pitch 1-6. Beyond Pitch 6, retreat is difficult due to the steep and traversing nature of the route. Above Pitch 8 you will need to leave gear in order to retreat.

**Rack**

- micro nuts: 1 set
  - nuts: 2 ea sml, med
  - cams: 1 ea .4"
  - 2 ea .5-.75"
  - 3 ea 1-2.5"
  - 2 ea 3-3.5"
  - 1 ea 4"
- 60m ropes useful



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## The Final Pitch

Thanks for buying this SuperTopo guidebook. We hope you enjoy it and the climbing adventure it may help you experience.

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We are on a mission to develop SuperTopos for the best routes in the best climbing areas in North America. We hold ourselves strictly accountable to a high standard, namely that each of our SuperTopos offers the very finest quality route information obtainable anywhere on each and every route we cover. If you find any shortcoming in our SuperTopos, we ask that you drop us a line at: [feedback@supertopo.com](mailto:feedback@supertopo.com) and let us know how we can improve. We're dedicated to offering the best information about every route available.

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Chris McNamara

On behalf of myself and the rest of the crew here at SuperTopo, I want to thank you for your support. Keep climbing and please tell a friend about SuperTopo!

Thanks again,

Chris McNamara



Founder and CEO  
SuperTopo

