

Trail Tools

Mount Hood Chapter, PCTA



1 - Brushing Tools

Loppers



Loppers, bypass style
for clean cuts on green or live growth



Loppers, anvil style
good on dead limbs



Loppers, geared
mechanical advantage to make cutting easier



Short Loppers
easier to pack



Brush Shears
good for thick brush



Pole Pruner/Lopper (Fiskars Power Stroke)
increases reach, good for clearing Devil's Club



Pole Pruner with saw (adjustable length)
can both cut and saw



Weed Whip / Weed Cutter
swing like a golf club for thick brush



Brush Axe (Sandvik, Swedish brush axe)
replaceable blade, use on heavy brush

2 - Hand Saws

Almost all hand saws Cut on Pull Stroke

blades are flexible and can bend or break if forced



Small Folding Saws

7-10" blade, easy to carry

Fixed Pruning Saws

various sizes and designs

usually carried in sheath



Wood Handle / K24 Saw



Silky Ibuki Saw



Corona Saw



Katanaboy Folding Saw, 19" or 25" blade

can replace Crosscut Saw for small logs



Pole Saw, to reach high limbs

various designs, usually collapses for carrying



Bow Saw

3 - Grubbing Hoes

cast or heavy steel blades that perform well for heavy digging and when sharpened can cut roots



Hazel Hoe (Adze Hoe)

cast head with removable handle
6" blade, 36" handle



Green Grubber (Terra Hoe)

bolted mount, brass (or tensilite)
9" blade, 36" handle
(designed by Roger Green, an Oregon wildland firefighter)



Rogue Hoe

welded mount
7" blade, 40" handle
(prohoe.com & roguehoe.com)



JR Hoe

bolted mount
8" blade, 40" handle
(JR Fire Tools, jrfiretools.com)



Long Handle Hoe

54" handle

4 - Grubbing Tools



McLeod

can rake or scrape tread and good for tamping
(Created in 1905 by Malcolm McLeod USFS ranger)



Half McLeod (Mini McLeod)

takes less effort than full size McLeod
(sold as Trailblazer by firefighterhandtools.com)
(can be made by cutting down a McLeod tool)



Reinhart Tool

solid shank shovel bent @90 and squared off
for scraping and light digging
(originally developed by Gordon Reinhart USFS)
(see forestry-suppliers.com, Rhino Tool)



Trailbreaker

solid shank shovel bent @ 90 and reinforced
for digging and scraping/scalping
sharpen point and sides for cutting brush



Pick Mattock

removable head for packing
best for heavy digging



Cutter Mattock

similar to pulaski



Railroad Pick

rarely used on trail crews



Pulaski

combination Axe and Adze/hoe
good for cutting roots, and debarking on XC saw teams
(named after Edward Pulaski, USFS Ranger)

5 - Grubbing Tools - Specials

these tools are currently not in MHC Caches, but are owned and used by some crew members

Rogue Specialty tools (prohoe.com & roguehoe.com)

Rogue Tools come in a variety of different designs in addition to basic Hoes

Handles can be 40", 48" or 54"

Rogue Tools are made using
recycled agricultural disc blades
made from high grade tempered steel.



Rogue Travis Tool

multi-purpose tool

4 sides-hoe/rake/pick/scrapper



Rogue Hoe-Pick

option for pick mattock



Rogue Hoe-Rake

heavy duty McLeod



Thau Claw

variation of the McLeod design

(created in 2002 by Matt Thau, firefighter)

(firefighterhandtools.com)

6 - Rakes



works better for clearing trails,
when tines are angled out

Steel Rake / Bow Rake / 16-tine

good for clearing debris off trail and smoothing tread



Rock Rake / 4-tine, 6"

(also referred to as a Cultivator)
clearing Rocks and debris



Fire Rake

replaceable sharpened blades
clearing and cutting thru thick brush and grasses

7 - Shovels



Fire Shovel

solid shank, pointed end
sharpened for scraping



Round Shovel

solid shank shovels
are stronger



Square Shovel

good for cleaning
tread surface



D-Handle Shovel



Combi-Tool,

folding shovel
has several positions
used on saw teams



**Post Hole
Digger**



**Post Hole
Tamping Bar**
compacting around posts



Tamping Tool
compacting large areas

8 - Rock Work



Rock Bar, Pinch Point
various lengths, 4' is easier to carry



Rock Sling, Ladder style



Rock Sling, Net/Basket style
hand carry large boulders with 4-6 persons



Sledge Hammers



Double Jack



Single Jack

Rock Shaping Hammers, use only on rock or stone, due to tempering



Rock/Stone Sledge



Stone Hammers with carbide tips

9 - Crosscut Saws & Accessories



Crosscut Saw, 2-person



Crosscut Saw, D-Handle (1-person)



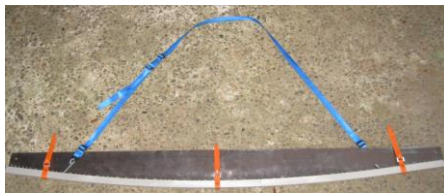
XC Handles, Western (West Coast)

2-person saws, used in pairs



XC Handle, Supplemental (Auxiliary)

D-handle saws



XC Saw Carry Sling

1" webbing with hooks

hooks in gullets on opposite sides and sling over shoulder



XC Wedges

thinner taper than chainsaw wedges



Underbucker

supports saw for cutting underside of log



Underbucker, Mini

attaches to axe handle



Drawknife

debark log for XC sawing



Drawknife, Folding

safer to carry in pack



Bark Spud

debark log for XC sawing

10 - Axes & Log Tools



Double Bit Axe



Single Bit Axe

24-36" handle
needed for driving wedges



Hatchet/Hand Axe

easier to carry in pack



Peavey

leverage for moving logs
easier to carry by removing hook



Peavey, Bangor style

one-piece forged steel socket



Timber Carrier

move logs with 2 people



Pike Pole

used for reaching, holding, or pulling logs



Log Tongs

one person log mover