

Container Project, Cannon Beach

Creating a reliable emergency supply for long term storage.
Resident Involved, proactive planning.

Begin here

This Container Program, designed specifically for Cannon Beach, and its residents, employers, employees and guests, allows for individuals to plan and prepare their own survival supplies. Knowing these supplies will be available and secure should the need arise, is paramount. Everyone may participate at some level, at any comfort level. Individuals will supply their own supplies, and mutually, through the City, a container will provide the storage space at secure location/s above the inundation dangers.

In the event of Cascadia Earth Quake & Tsunami it may not be expected that a simple Go-Bag will sustain a person for the duration. The coast of Oregon will be the tail end of a lifeline, a lifeline stretched, if not broken, by distance and damage far from aid and supply. Support may be some time in reaching these more remote communities. Depending upon our selves in this time will require pre-positioning of supplies and equipment. It is difficult for home owners and shop keepers to properly prepare when the space they live or work in is subject to the damages of the potential Cascadia size event. The Container Project offers secure and available storage space. Ultimately each of us is responsible for fortifying in case of this potential disaster. The Container Project helps you help yourself. Take advantage of the storage options proscribed.

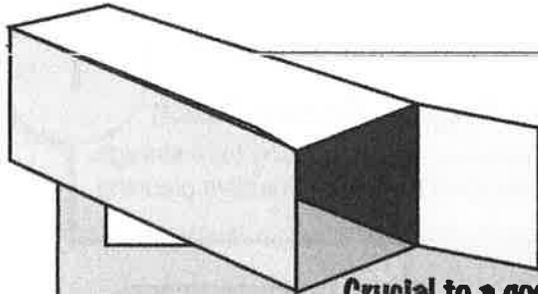
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Contacts

The Pilot project is an ongoing learning process. Your input is helpful and necessary toward moving forward. Please Direct

comments & inquiries to City hall. Information will eventually be on the city website



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Action Plan

Crucial to a good Emergency plan is YOUR Action plan.

When the ground shakes what do you do? For those of us with homes or work in the inundation make an Action Plan. Include the Kit you have stored in the Container.

Know your evacuation

Where ever you find your self on a normal day it is a good idea to have a general awareness of the nearest and best route to safe high ground. Whether at work, at home, at play, the Theatre or a restaurant, be conscious of where to go. Be sure your family and those you care for are equally aware. Plan for a gathering place, but know that that is not your first choice of evacuation. Gathering places are for after you have individually evacuated to safety.

If the Cascadia Earthquake hits do not waste time, go directly to safety. Do not drive. Do not go back, even for a Go-Bag, if it means loss of time. Do not take the time to turn off the Gas or Water. It is that important to get safe.

Go-Bags

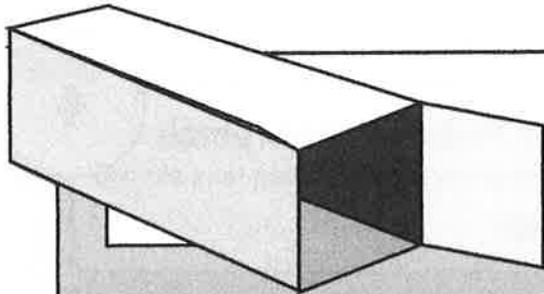
Make and keep a Go-Bag for each member of your family. Make and keep a Go-Bag at every location where you spend any length of time during a normal day. It is important to know that you may be on your own for up to 24 hours before the Container's resources are available. We must expect our First Responders and volunteers to secure themselves before they step up to help others. Go-Bags are not the same as your Emergency Kit. Generally Go-Bags are light weight, small, efficient and can be cost effective, allowing for more than one. Home, Car, work, school, it is a good idea to put together several. Make them similar in content. There is a reference later of some Go-Bag design options.

Emergency Kit

As part of your Action Plan the Emergency kit that is kept in the Container is to be the supplies and support you will need for the time of danger. The time from the Quake to the last possible high water. Science says several days.

From that time span on you may need your Emergency supplies because of damage and loss of homes and houses. The eventuality of aid coming with resources may be long depending on severity inland. The chance of being able to migrate away from the coast may also be delayed from damage and transportation difficulties. Your Kit may be all you have for some time.

**Know your routes
have Go-Bags
Plan for a long stay**



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Packing Guide for your Family Cache

To start - In the Cannon Beach Container program there is an option of the style of Packaging you may wish to use. This has been devised to maximize space and have operation and handling, during an extremely stressful moment, be as straightforward as possible.

Types of packaging

Three options are available...
The 5, 30, 55 gallon sizes.

Each option has merits and setbacks, one may work best for you. The city will make available to you the basic package item at cost, or you may find your own as long as it matches the type, style and dimensions. The city will ask a annual rental for the space this object occupies within the Container. This fee will, over time help defray the costs of maintenance and capital expense.

The 'packaging' must be kept within the parameters set, otherwise the container could begin to look like your neighbors garage. We are striving for operational organization perfection.

Metal 55 gal barrels, to be filled as you wish. Barrels suit family sizes and have secure lids.

The 30 gal. plastic style drum, is a good intermediate size.

Buckets - are the round 5 gal. plastic style with lids. You may utilize as many as you wish. Handy to carry and are surprisingly versatile.

No bags or loose items, no prepackaging unless it fits within the choices set above. In other words no other types of packaging is allowed to ease the efficient handling and access organization.

The Fees are to help in the expenses. In no way will any proceeds be used for other than this, the Container project, its use, maintenance and improvements.

These fees are low to make the project available to every one and designed to be fair and equal.

essentially 1 dollar per gallon

Buckets at 5¢ ea./per year

30 gal. drums at 30¢ ea./per

Barrels - 55¢ ea./per year

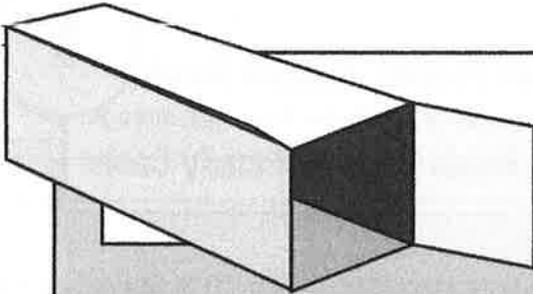
As yet this is a starting value it may be less, not likely more.

These internal containers will be available from the city, at cost.

Costs

Consider

- Our climate,
- Ease of handling,
- Long time spans,
- Quick identification,
- Efficient stacking and space use.



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Basic Kit Design

In the Cannon Beach Container program there is an emphasis on your personal choices, style and economic abilities. . This choice will define your kit design in quantity and quality. How ever you choose to fit out your kit, there are basics to bear in mind. Three major concerns to surviving after a big event.

Shelter refers to staying warm and dry. Both in a 'shelter' and when sleeping in your 'bed roll'.

Shelter

Shelters and sleeping gear are the most cumbersome and bulky of the items that will fill your kit. Tents and sleeping bags, or, tarps and blankets, how ever you prepare, plan for days to weeks of primitive camping. This means wet, mud, wind and bugs. This means finding comfort and creating a relative sense of place.

When you consider shelter equipment for your Kit be aware of durability and flexibility, you may need to move and modify. You may consider less is best if the less you have is good quality. Go to our references and see what fits your needs. Also be sure to 'know your gear', how to set up and what to expect. Novice or trekker, be prepared.

Food & Water

Arguably the most concerning items of supply are food and water, though they need not be complicated. The problems come in the quantities needed and long term storage capabilities.

There are many suppliers of well sealed, dried, bulk and packaged food resources. Look to the Resources list for references.

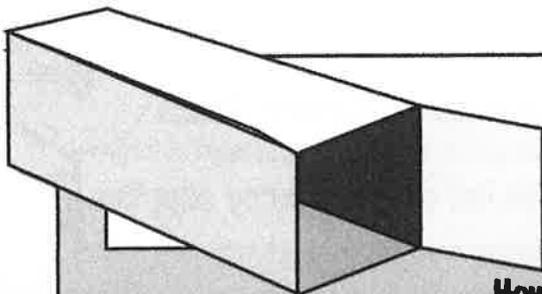
Whether prepackaged or not, the options are palatable and suitable. kit design references show possibilities and suggestions to begin with. Also be sure to consider the tools for preparation. Your 'mess' gear is vital and requires careful planning.

Safety

This concern is serious. Injury and wounds will need to be treated and cared for, no matter how severe. Sanitation will need to be carefully attended to and maintained through out the duration. Medical kits come in many styles and sizes, for these please refer to the Red Cross and other available self contained First Aid kits to add to your Emergency Kit.

For sanitation though, look to the references. Most important research, learn and develop Good Sanitary Habits. This will help keep you, yours and many others safer and responsible when conditions are at their worst.

Quakes and Tsunamis are bad but so are Germs.

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Reference list of emergency supplies**How you fill your Kit is important and could be overwhelming.****Below is a list of suggestions beginning with Items Seriously required, must haves, for every Kit (the first 28 listed). Followed with Items of importance but less essential.****Essential Items**Required items that must be in every KIT.

Item #1 - Shelter, either a Tent, sized for you and/or your family with all of it's inclusive parts, or, Tarp/s, 8x10 or larger, grommeted, with Rope, twine, strapping, or cord. Add some nails, pegs, &/or stakes. Be sure to have a guide book of instructions/ plans. Include if you have room, a Ground cover and Duct tape or repair kit.

Item #2 - Bed Roll, Blankets, wool or fleece, or Sleeping bag in water proof bag for each person. A pad, air mattress or at the least a Water proof ground cloth, separate from that of a tent floor or floor cover.

Item #3 Basic First-Aid kit (many to choose from), or, compile your own with such items as; sterile pads and bandages, disinfectant, antiseptic, anesthetic, anti-diarreha pills, pain care, sleeping aids, latex gloves, sanitary wipes , burn/cut type products, etc.. Be sure to note shelf life of items, and choose with care. First aid kits are expandable to fit your level of diligence. Add an item here and there when the opportunity allows.

Item #4 Either; a Fixed blade survival knife, Quality folding pocket knife, Multi-tool, or Utility knife with spare blades.

Item #5 Axe, or, hatchet.

Item #6 Small garden trowel or folding shovel.

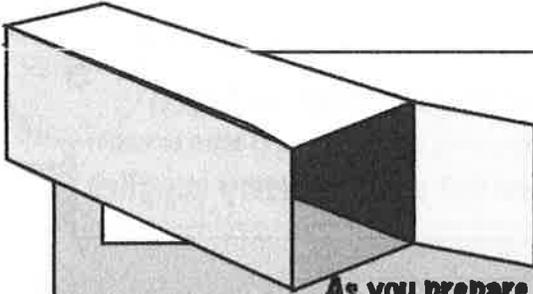
Item #7 Standard flashlights, with, Extra batteries correctly sized. Be aware batteries need regular rotation, in our climate they corrode fast. Store all batteries out of devises.

Item #8 Matches or Lighter (or both) with tinder or fire starter (suggestion, use wood shavings as packing filler in your KIT). Add a couple of candles too.

Item #9 Be sure you have Water purification tablets. Optionally you can upgrade to a good quality Water filter straw, bottle or pump, if you choose.

Item #10 Be sure to have vessels for Extra Water storage, bottles or canteens.

**Keep in mind how to pack
a Kit, last in is first out**



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Reference list of emergency supplies

As you prepare an Emergency Kit stay focused on the essentials. For each of us these may differ in importance. Kit content should be in one order of importance ... Shelter, Safe Water, Sanitary Living Practices then Foods. After these come luxury.

Item #11 Foods, many options, all are good. Meals Ready to Eat (MREs), long shelf life, self heating and effective. Canned goods, good shelf life, self contained but heavy. If you do cans don't forget the can opener. Freeze dried, many varieties and providers. A variety of each would serve well. If you choose bulk foods be sure and have some Camp cooking recipes, it is easy to forget what works when stressed.

Item #12 Flat ware, plastic and/or normal table Knife, fork and spoons. Serving spoon, Slotted spoon & Spatula

Item #13 No item #13 for good luck

Item #14 Fry pan, steel or cast iron

Item #15 Tin or stainless cup, one for each person.

Item #16 Paper plates & cups. Pie tins are very handy and easy to come by.

Item #17 Pot with lid, steel, Dutch oven or a Quality nesting camp cookware set. Depending on your food plan perhaps a Kettle for hot water would serve better. A kettle is more effective over an open fire.

Item #18 Leather glove, Hot pad, heavy towel or dish cloth.

Item #19 Be sure to slip in some Aluminum foil & Zip lock bags

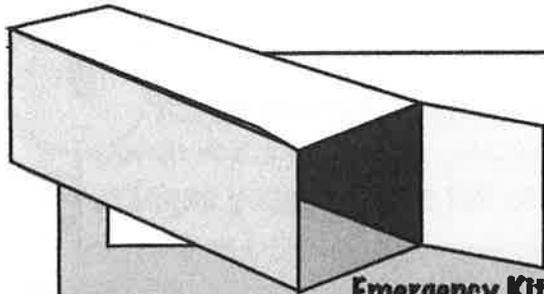
Item #20 Toilet paper (plenty) and sanitary wipes.

Item #21 Garbage bags.

Item #22 Soap, Liquid detergent & Bleach, Be sure to have a basin or bucket for this propose, with, Sponge, scrub brush, scotch pad or steel wool. The biggest concern will be good Sanitary practice. Illness can happen so fast when in a survival situation. Plan to place a station in your camp specifically for washing hands and dishes away from food preparation. Include hand sanitizer, for when washing is just not an option. Sanitary wipes, paper towels & Hand sanitizer need to be abundant.

Keep dates on food items for rotation





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Emergency Kits are flexible things, always be on the look out for items to add or upgrade. Be surprised when at a garage sale you find a good buck knife or partial first aid kit. What is listed below is suggested beginnings, grow and improve your kit over time.

Item #23 Towels, paper or cloth, remember, washing will be a challenge, disposal is easier. Be prepared to do both though, best to have options.

Item #24 Dry socks, nuff said.

Item #25 Rain gear, good quality jacket and pants or Poncho and perhaps boots.

Item #26 Gloves, for warmth and protection, good quality.

Item #27 Heavy duty sewing kit with scissors and safety pins

Item #28 Documents for your kit, compile a cheat sheet of important numbers and pass words, seal in a water proof envelope, mark as private papers with yours and relatives contacts info on the outside.

Create an inventory of your Kit content, with a rotation schedule planner for keeping your emergency items up to date. Keep track of things such as, food and medications. Keep a copy at home and include a copy attached to the Barrel, Tub, or Bucket.

Important Items That help greatly, yet are optional & personal choice.

Item #29 Nested set of Steel bowls

Item #30 Rubber gloves help, or a bunch of latex gloves.

Item #31 Consider also an Assortment of well sealed spices, such as cinnamon and vanilla, Sugar, salt , pepper, etc. Especially if your food system is bulk dried foods, not so necessary for MRE's or canned goods.

Item #32 Small water bucket, or, small fire extinguisher (fires get out of hand easily). This may double a a wash up bucket, just keep it near the fire in case.

Item #33 Grill, for cooking over a fire. (after days bent over a fire this is a blessing).

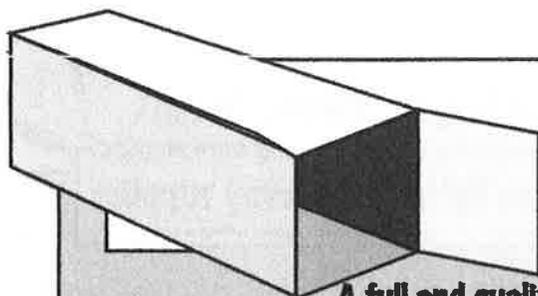
Item #34 Since packaged comfort foods; candies, tea bags, instant coffee, etc, are so small drop a few in too.

Item #35 Tongs, barbecue or kitchen style, very handy for open fire cooking.

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Reference list of emergency supplies



A full and quality Kit can be expensive, though it need not be. Start simple, use items from your own home, there are thing stuffed away in drawers you have not used for years. Search for bargains, reuse containers, eventually you will have a full kit.

Item #36 A toilet seat lid makes a 5 gallon bucket very convenient (far better than a distant little blue room or a hole in the ground) Suppliers have ones that come with designed bags and chemical treatment. Might think to add a pivacy enclosure tarp.

Item #37 Cutting board, plastic is best, wood is good if kept clean.

Item #38 A collection of toiletries; Lip balm, Sun screen, Comb or brush, Feminine supplies, Deodorant, Shampoo, Tooth brush, tooth powder (paste will not last long), etc. An empty peanut butter jar (plastic) is a good container to keep these item in.

Item #39 A change of clothing. One to wear one to wash.

Item #40 Folding chair,

Item #41 Folding saw with extra blade(s)

Item #42 Bug spray, Mosquito repellent

Item #43 Field shower system

Item #44 Kneeling pad, folding stool or camp chair.

Item #45 Prescription glasses or readers, Sunglasses too.

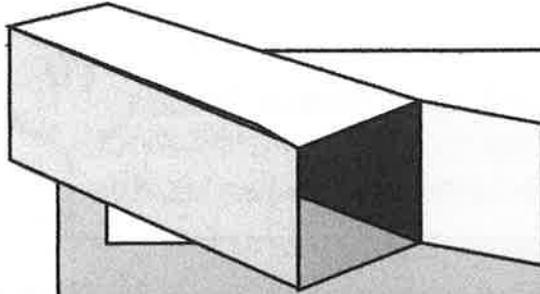
Item #46 AM-FM radio with extra batteries, or crank power

Item #47 Reading material, Games, deck of cards or puzzle book, dice.

You may be surprised how much of this is every day stuff, or can be found at garage sales, keep your eyes open.

We are serious about the Essential Items. Having basic Shelter is the beginning of any kit. Eventually you can upgrade or improve with bigger or fancier, but, start with at least a simple shelter, food and water. (tarp, water tablets and canned goods).

As you become more alert to what works for you and yours, upgrade to a Tent, quality water filter and long term survival foods. Improve as time and finances allow, but, begin now.

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Reference list of Suppliers & Sources

A short listing of sites with good information, supplies or specific items of interest. There must be many more out there, if you find something or some contact to add please let us know.

FOODS

acornsupplies.com - long storage bulk foods, & kits

theepicenter.com - long storage , kits, supplies

nitro-pak.com - foods and rations

mountainhouse.com - freeze dried foods

costco.com - Look for their emergency foods

KITS

emergencypacks.com - good ready made kits and supplies

areyouprepared.com - major supplies, kits, & information

survivalsolutions.com - ok stuff good prices

survivalgear-thepanicstore.com - lots of stuff, retail

thepreproom.net - lots of stuff, best honey bucket

litebackpacker.com/gear-filters/ - selection of water filters

redflarekits.com - lots of kits, supplies and information

coghans.com - basic camping gear good prices

survival-gear.com - yup, lotsa gear

thereadyproject.com - supplies and kits, big variety

quakekare.com - big selection retail prices

moreprepared.com - big selection retail

sportsmansguide.com - funky military stuff and surplus, but has good prices and big selection. Tents too.

biolitestove.com - an interesting stove

stovetec.net - another interesting stove

BLANKETS

vtarmynavy.com/wool_blankets.htm - wool blankets

northwestwoolen.com - good selection of blankets

afminc.com/heatsheets.asp - a special brand of Foil blanket for runners & events.

SHELTER

shelter-systems.com - dome style shelters

fastshelter.com - inflateables, cool but pricey

FIRST AID

first-aid-product.com - medical and survival kits, refills

pksafety.com - first aid and safety products, reasonable

cheaperthandirt.net/mhr403-1.html - first aid kit, & other camp gear

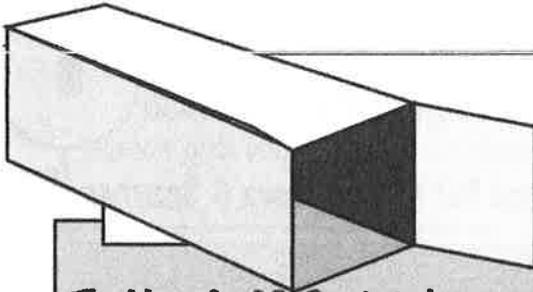
INFORMATION

foodstoragemadeeasy.net - lots of information some supplies

aaobfoods.com - major food storage systems and products

ehow.com - search for survival information

As with all suppliers, things change. Let us know if a link does not work, or is in error



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The Go-Bag top ten items for the bare minimum

The idea of a Go-Bag is to have something close at hand where ever you find yourself when the ground shakes. This is a detail of the barest minimum, you may expand and upgrade from here.

Top ten must have items for a bare minimum Go-Bag

To protect your self from exposure for 12 to 24 hours

- 1 - A Water bottle**, not too heavy but enough to get by. Be sure to remember this will need to be rotated with fresh water at least annually, best more often.
- 2 - A small light**, the little LeD type, common and inexpensive. with good batteries, perhaps a spare set for back up. Remember to replace every so often.
- 3 - A Poncho or rain set**, our climate is fairly certain to offer some sort of precipitation at the worst time. Keeping dry is important to staying healthy.
- 4 - Gloves**, inexpensive rubber coated garden work gloves. Keeps hands warm and protected from those minor scratches and cuts. Least expensive option.
- 5 - A Hat**, rain hat or stocking cap, even an old base ball cap will do. Most of your body heat can be lost through the top of your head. Keep it covered.
- 6 - Dry socks**, see # 3. You have no idea how much this will help spirit and body.
- 7 - A Tarp**, or a sheet of 4mil (or better) plastic. When you get to a safe place this may be the only possible shelter for a while. In our climate you know this is important. At minimum have 6'x8'. The blue tarps are a little heavier but have grommets. Roll it up tight and wrap with 20+ feet of rope, cord or twine.
- 8 - A can of peaches**, pears, or fruit salad, with the pull top. Yes its heavy but the benefit is multiple. A treat in a bad time, with liquids and is filling, Keep the can.
- 9 - A sitting pad**, I would use some quarter inch packing foam cut to say 16" by what best fits your pack (I do not include the pack because, well, its what you put the items in. Be sure it is easy to carry) The pad will insulate you from the ground, which will most likely be cold, wet and muddy. The pad is not meant as a cushion, don't expect to be comfortable, try for warm and dry first.
- 10 - The package of small light weight goodies that, when combined make an important item.** [see listing to the right]

The listing above is simply a suggestion, a place to begin. From this you can fill in as you see fit. Be sure though you do not over extend the Go-Bag. It is specific in design. Know the difference between a Go-Bag and a fully stocked survival kit. One for moving, one for staying put.

10a - A cutting tool, be it box cutter, pen knife, disposable knife, or other small light weight blade.

10b - A p-38, an effective little can opener.

10c - A Survival mylar blanket. So small and light weight there is no reason to not include it.

10d - A Lighter, reliable, inexpensive & light weight.

10e - Toilet Paper, small kleenex pack, or wet naps.

10f - A condiment pack - little packets of coffee, creamer, sugar/sweetener, handy wipe, plastic spork, napkin, etc.

10g - Pack of: matches, small candle, some dry fire starter.

10h - Escape route map, or general area. Print on a laser printer, more water resistant. Keep handy. It is easy to forget the simplest things in an emergency situation.

10i - A garbage bag, keep your stuff dry, or to create a make shift poncho.

10j - A small first aid kit, Band-Aids, sanitary wipes, some medications (aspirin, allergy,).

10k - A simple sewing kit, needle, thread and safety pin.

10l - A folded bit of aluminum foil.

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What to do with a tarp?

A Tarp can be a versatile tool. As a shelter or simple covering, as ground cover or bundle pack, there are many useful ways a tarp and bit of rope may aid in an emergency. Shelter is a major concern, knowing how to benefit from the simplest of materials will reinforce your confidence when you may need it most. Here are some basics

These are some basic styles for forming a shelter from a tarp or sheet of plastic and some line. Each may utilize any size of tarp, some better than others. Some are complex and you will need help to set up.

1 - the **BIVY**, a very simple set up, good wind protection. It is small and tight, need only a tree or post to attach the ridge line.

2 - the **LEAN TO**, Basic and simple, though it takes several lines to make secure and some sticks to post up the corners. An alternative is to stretch a line between two trees.

3 - the **BAKER** or **SHEBANG**, more space and works well with larger sizes. Needs several lines to secure and is not the best in windy conditions.

4 - The **PUP** or **'A' TENT**, straight forward and stout. Good for any size tarp, and stable in winds. needs poles, though could be stretched between two trees ,too.

5 - the **FLY**, good for a sun cover and working space. Not a good wind protector. Takes a lot of lines to secure, though could be attached to trees, or nearby structures.

How to use sheet plastic that may not have pre-placed grommets to tie to. Find a pebble, fold the corner of the plastic over it, twist and tie the line around the bulge of the pebble at the twist.

