

Little Five Lakes Year End Report Summer 1993

I hiked in to Lyndall Creek Ranger Station on 6/19 via Shepherd Pass, to spend a few weeks there because of heavy snow on the Divide. There was nearly 100% snow above 11,000' in the Upper Kern at that time. Due to very warm weather in late June, the snowline when I left Lyndall on 7/1 was about 12,000' near the crest, and all streams were fordable except Wright Creek on the High Sierra Trail.

I hiked from Lyndall to Little Five 7/1 - 7/2 and my gear arrived 7/4. At that time the Blackrock Pass trail was 80% snow-covered from Big Arroyo to Little Five, and nearly 100% snow from L-5 to Blackrock Pass. There was 30% snow cover around the lake, which melted rapidly, and the tent platform was snow-free. By the last week in July, all passes in this area were mostly snow-free except Sawtooth, which held snow through the first week or two in August. By mid-July all passes except Sawtooth were easy to cross for anyone confident in crossing a few hundred vertical feet of snow. I saw no sign of the toilet here until 7/24 when the last big patches of snow melted south of the station. This has been a rather cool but strikingly fair summer, with only four days with any precipitation all season.

VISITOR USE & PROTECTION

- Visitation: In 17 summers in the Sierra, I've never seen anything close to as few visitors as we've had this summer. I estimate that use has been about 25% of "normal" in the L-5 patrol area. I believe the late opening of Sawtooth kept out many people until August, but August was quiet as well. Many people reported reading articles in coastal publications about heavy snow - terrible mosquitoes - bad year to hike in Sierra. It is probable that the heavy snow relative to the past several years of drought scared people away.
- Stock Use: Also extremely low. I saw NO private stock parties. Bedell spotted one group to Little 5 and packed two other parties to Little Five / Long Lake.

- Law Enforcement: I wrote one citation for an illegal fire at Big Brewer Lake. I gave 4 verbal warnings for tents-on-grass, and 5 for foil-in-firepits. I took a report of food stolen from the Pinto Lk. food storage locker; the group was convinced - for a number of reasons - that a scout troop was responsible, but the boys all denied it (of course) and we were unable to find/identify the culprit. On the whole, people did a good job of following minimum impact regulations. They continue to build new firepits and burn foil. Food storage compliance was outstanding this summer. I had the fewest bear incident reports that I've ever had. I believe the excellent efforts at Lodgepole & M.K. trailheads were a major influence in alleviating the bear/food problem.
- SAR: I gave moleskin & advice to two blister-sufferers and doctored the feet of one. (The other was a paramedic.) I evacuated one 14 yr. old girl who suffered a severe ankle sprain in lower Lost Canyon. (Helicopter med-evac. There were no searches or rescues here.)
- Fires: With almost no thunderstorms, there were almost no fires. A PNF is currently burning near Willow Meadow/ Willow Creek.

FACILITIES

- Ranger station: The tent^{fly} are just two seasons old, and in good shape. With the current set-up, the Sims stove was far enough away from the canvas that no heat-shield was needed. The floor needs to be treated next summer, ideally at the beginning of the season. "Shelves" were left near the tent platform where marmots were having a heyday gnawing them when I arrived. I.I.O. has agreed to check into military metal shelving. I will also submit dimensions for new shelves. The "furniture" gets more and more warped and difficult to assemble every year.

In response to renewed interest in building a permanent structure here, I submit these justifications:

- 1) BEARS. The electric fence worked fine this summer, but bear activity was the lowest it's been since 1989 when we began to have

problems. The tent is simply not secure. Further, I got home from one extended patrol of several days to find the fence "off". Apparently the battery had been used up. The back-up battery also wasn't working, for reasons as yet unknown. In high-snow years like this^{and Little 5 typically holds snow late}, the fence can't be set up until snow is gone or is dug out, and the ranger can't get his/her summer's supplies until the fence can be erected & activated.

2) TEMPERATURE: Little 5 is the Siberia of Sequoia. In the early & late seasons it can be truly frigid here. While the Sims stove helps, it is inefficient and burns wood quickly without providing a whole lot of warmth. We are likely to close this lake to wood fires next season, so the issue of staying warm will be further complicated.

3) MOSQUITOES: Let's face it, there's a swamp next door. The tent provides only minimal escape.

4) OTHER CRITTERS have free access to the station as well. Even with the "door" in and ties tied, small rodents can roam freely within.

5) CURRENT STRUCTURE needs a fair amount of maintenance - it periodically needs complete rebuilding due to warping, marmot-chewing, snow-load, etc.

6) TIME: Setting up/tearing down the station is extremely time-consuming.

As to location, it has been suggested that the Big Arroyo is a more appropriate spot. I completely disagree. The only traffic (almost) through the Big Arroyo is from people hiking the High Sierra Trail. By far the main bulk of the traffic in the patrol area is between Little Five and Lost Canyon. Little Five is ideally suited for patrols to Big Arroyo/9 Lakes/Chagoopa as well as Soda Creek/Little Claire, as it is more or less in the middle; the Big Five - Little Five lakes are also the main destination of a majority of visitors while other areas are "pass-through". I can't give being able to give the lakes the amount of patrol/attention they need from any other place. (Lost Canyon or Big Arroyo, for instance.)

The "Ranger Station Lake" provides a good balance of accessibility and privacy. I'm unable to identify any other place in the two (three

lake basins which provides the same balance and is hardy enough to withstand the use, except the lake immediately below the R.S. lake. Finally, the accessibility of spring water makes this particular spot ideal. In 1989 we looked for alternative sites at this lake (trail-crew personnel & the sub-district ranger) and we all agreed this spot was best. This spot has evidently been used for years as a packer-camp before the station was built, so it is an already-impacted site. The site has the advantages of accessibility to good water, a good view of camp areas around the lake & the trail from Blackrock, and privacy without inaccessibility. It is forested enough that most visitors don't particularly notice the station unless they're looking for it.

I did some rehab. at the spring this year, removing the old plastic lining which was disintegrating & littering the area with bits of plastic. I also replaced the 2 small pipes put in during the drought with 2" pipe. The water seems to be running clear & fast without the plastic - I can't see any need to replace it.

- Trails : Eric submitted a list of trail concerns last year - Upper Big Five, Sawtooth, Glacier Pass, & Lower Big Arroyo ^(brushing) were included. The trailcrews are currently working on the Big Five spur trail. The other 3 remain problem areas. My other areas of concern are detailed in Appendix A:
 - Soda Creek to Lost Canyon (steep, loose, unsafe for stock)
 - Upper Lost Canyon (erosion gullies)
 - 1 mi SE of L-S R.S. Lake (bogs - erosion)
 - Lost Canyon to Big Five (steep, loose; slickrock spots)

The trailcrew arrived here in late August and did routine maintenance of the local trails from Big Arroyo (6 days) and Lost Canyon (5 days). They completed another small re-route in Upper Lost and filled in the worst erosion gully there. This trail improves year by year as the crew continues

to reroute bad sections.

Because of the snow, there was a possibility that there would be no crew here this year, so I rocked most of the trails and cut out all obstructing logs and limbs. The new cross-cut saws work well, especially with a second person to help - good move, Eric!

• Camp Areas: Little Five looks, to me, a lot more "bombed out" than it did two years ago. I attribute this to the very heavy use the station lake got in '91 & '92 when it became the only lake where fires were allowed AND where there is a bear box. If this lake is closed to fires (see Appendix B) some of the pressure should be alleviated. I would like to see the MK trailhead operation continue to "push" canisters and work with the L-S ranger to disperse use throughout the lakes basins more. Moraine Lake & Big Arroyo are also showing signs of increased impact because of the boxes. I put off constructing new sites at Moraine Lk. because I wanted to see where people chose to camp and whether there was a need for more sites. It has become apparent that unless we create sites (build firepits) people end up about 10' from the water. So next year at least 2 need to be built. I suggest locating them East of the trail (on the opposite side from the locker). I also recommend that we keep an eye on this area with the thought that perhaps the locker can be removed in a few years if there's no bear activity on the Plateau.

Because use was down so much this year, I didn't see a need to build more pits @ Big Arroyo. I am reluctant to see any built as firewood is scarce & firepits encourage fires. There were enough small bare spots for tents this season, and - SURPRISE! - I only had to remove one firepit that someone built. This is another site to monitor.

Little Claire Lake has been closed to fires for 3 seasons, but when I went there in early July there were no less than 8 firepits, several of them the sunken 3-sided pits constructed by crew in 1987 or 88. They obviously were never removed. Some of them popped back up in the same sites after I removed the

There are two problems here: 1) Lack of patrol... Little Claire is kind of a "blind spot" for all of us; 2) lack of awareness of the regulation (which currently reads "no fires within 1200' of Little Claire Lake"). Solutions: 1) BOTH the Kern Ranger & the Little Five Ranger need to patrol here, at least twice a season each, AND MK trailhead personnel should try for 2 visits. 2) Cite anyone in violation of the fire restriction, if we can ever catch them. 3) CONSIDER a "Fires prohibited" sign. Currently there are signs at either entrance to the lake area reading "Camping prohibited within 100' of water". I'm not sure these are still needed - we might remove them and replace them for a few years only with "Fires prohibited".

Forester Lake also needs a lot more maintenance than it's getting. Again, there needs to be a co-operative effort between the Kern Ranger, Little Five Ranger, & N trailhead rangers. The trail crew constructed a new privy here this year.

• Signs: I inventoried signs in both the Tyndall & Little Five areas and replaced the signs @ the Lost Cañon/Big Five junction. All signs in both areas (except 2 pass signs which will-soon? - be removed) are accurate and regulation.

There are many "restoration site" signs in this patrol area; I find them to be an eyesore. I've submitted a project proposal for a group to do some rehab work in the immediate area of the R.S. Lake at the closed sites with the idea that the signs be removed. This could be experimental - if successful, we could remove more of the signs & rehab. the sites. (This is mostly appropriate where sites have been closed for several years & no longer look "inviting")

• Food Storage Lockers: The locker at Columbine should be moved to the Lost Cañon/Big Five/Soda Cr. junction. (See Tom Sule's recommendation in his 192 end report. I concur on all points) Fortunately there was very little use at Columbine L. until August, and it remained light because of low visitation. Consider removing the locker at Moraine in a few years. It seems a shame to impact a brand new area. Continue encouraging the use of canisters to disperse

impact. It's been shocking to me to see how much things change - for the worse - in areas where food lockers have been placed. I recognize that there's a trade-off and the boxes are serving a valuable function; but I think we have to recognize that in some areas they radically change use-patterns. In this area, particularly where use was far more dispersed before the lockers, it seems to me it behooves us to investigate ways of mitigating this extreme concentration of people around the boxes, by encouraging the use of canisters, for instance. I know of only ONE party this year who camped at the lake below the RS Lake this summer, because nobody would walk the 5 minutes to the box. This is in dramatic contrast to the previous years when I was here. (The fire prohibition is also partly responsible, I hope.)

FORCES & MANAGEMENT

• wildlife: BEARS were taking a vacation from Little Five this year, lucky me! There was a sow and 2 cubs on the Hamilton to Lost Canyon beat, but they got almost nothing around here. One of the cubs disappeared toward the end of the summer. There were no incidents or even sightings in Upper Lost Cyn, a hot spot last season. We all discouraged any camping w/o canisters in 9 Lakes Basin or Big Arroyo above the junction, which helped. Was this season a fluke? Was there a lot more bear-food down lower? Did the snowy passes keep them out? Was it the low visitation? Are the lockers finally working? Ask Dr. Science, the Ranger doesn't know; but any or all of these could be factors.

MARMOTS were chewing the heck out of anything and everything when I got here - they quit by the 3rd week in July and virtually disappeared from sight around the station.

YELLOW-LEGGED FROGS seem nonexistent in this patrol area. The tree frog created a chorus for weeks here & tadpoles abound, but no yellow-legs. I checked the small un-named lake in Upper Soda Creek where I'd previously seen lots of tadpoles which may or may not have been yellow-legs, and found nothing. I found healthy frogs in the Upper Kern, as always.

COWBIRDS - none seen in this patrol area.

RED FOX was reported at the top Little Five Lake. I had a report of a red fox at Long Lake a few years ago, and I suspect both sightings were accurate.

DEER seemed less abundant than in the previous years when I was here. I only saw a few in Sky Parlor Meadow where I used to see 30-40 at once. There was one doe & 2 fawns in residence here - I seem to remember several deer here.

- Campfires: I propose closing ALL the Little Five Lakes to fires, and the 3 Upper Big Five Lakes. See Appendix B. → The regulation for Little Claire L. should be changed from "Fires prohibited within 1200' of Little Claire Lake" to "Fires prohibited at Little Claire Lake." Let's get real.

- Meadows: Look great this year because there's been almost no stock use. When we monitored Big Five on 9/8, the soil was still saturated even in the drier spots. Mechanical impact from previous use (it was unused this year) remains evident and widespread. Eric and I met with Don Bedell & Bill de Carteret here in late July to discuss the problem of stock in the closed stringer meadow. There was no disagreement that stock shouldn't be in that meadow. The proposed solution for keeping them out this summer was to turn them out well below the R.S. lake in the stringer meadows and to try to keep them down; since Bedell didn't have any trips here (except one during which the horse was tied for the night) this solution was untested. Stock turned out above Long Lake did not come over to Little Five. Trail crew stock used Big Arroyo & Lost Canyon lightly and were the only stock to use those areas, to my knowledge.

In terms of the monitoring program, I'm curious why there's a need to monitor the Big Arroyo Patrol Cabin meadow. The only year I remember heavy use was when the "history boys" were restoring the cabin. I looked all over for something that could qualify as a "core area". I found ripples here and there, but nothing that would be shown up in sampling, even near the trail crew camp. In my experience the park stock move rather quickly to the Upper Big Arroyo and

don't hang around the camp much. I finally did a reference plot across from the patrol cabin and didn't do a core plot since I could find no core. If it is determined that we need to monitor the administrative stock use, maybe the lower part of the meadow should be the area of focus ??? Depending on use in the future, it might make more sense to monitor the meadow above Long Lk. & perhaps Little Five rather than Big Arroyo where forage is so plentiful.

Because of the fragile nature of the meadows in these subalpine lake basins, I believe mechanical impact will be a problem long before there's any noticeable affect on residual biomass. I support some sort of restriction on stock use in these meadows. Obviously when use is as light as it was this summer, there's no problem; but I imagine this season was an aberration.

* biological Resources: I found a small "bird point" in the camp in Upper Rattle-snake just at the base of the switchbacks. There are also lots of chips there. I imagine this site was catalogued by the arch. researchers...?

TRAINING

It was great to be at Mineral King. Thanks. Let's do it again. The SAR training and snow/ice axe practice were good. EMS review is always good. I miss having training with the VMC docs, though. One of the most useful things for me is round-table discussion/debriefing of incidents - medical, SAR, law enforcement etc. - from the previous summer. Of course, nothing happened this summer so there's nothing to debrief. Also discussion of resource mgmt concerns/solutions. I hope Debbie Bird will spend a few hours with us in discussion next season. Updates on the W.M.P. & stock issues are useful + welcome, as are reports from the Drs. Davers + Hockett/Kern rangers to meet w/ the Mk Pack Stn personnel during training rather than coming out for the meeting. Possibly rangers on the crest could do the same - meeting w/ Winchester, for example, before stuff is flown in + rangers go in. It does seem useful to touch bases w/ the packers.

MISCELLANEOUS STUFF (Items I forgot to put elsewhere...)

- Propane : It was great to have propane @ the station this year. I support outfitting all the stations w/ propane for stoves. I also look forward to solar systems for lights & battery charging.
- Sanitation : is a problem here. I burned more toilet paper than I've seen since I left the Kaweah District. I don't know what the problem is. Exposed feces... toilet-paper flags everywhere... unburied feces with a rock stuck on top. MK trailheads do a great job of giving info... my notes discuss sanitation... I TELL people... I just don't get it.
- Franklin Pass : This year I've talked w/ at least 10 parties who ended up on the cliffs between Forester L. & Little Claire L. because they took the wrong "trail" from Franklin Pass. About $\frac{1}{2}$ mi. below the pass there's an old x-c trail route which heads east toward Little Claire. Evidently Bedell's packers ride people out that way for the view. This "trail" is now almost as well-defined as the main trail. I placed large rocks along the real trail in an attempt to outline the correct route & block off the incorrect one, but it obviously didn't work since I just talked to another misdirected party. THIS IS A SAFE ISSUE, as inexperienced folks could be hurt coming down the cliffs. I suggest:
 - 1) obliterating the x-c route by raking the d.g. for the first few hundred feet
 - 2) placing larger boulders along the correct route to define it; 3) asking Bedell NOT to use that route. He can let people get off & walk to the overlook, making their own paths rather than ^(creating) defining a single trail by using it over & over. The alternative is putting in a new sign: TRAIL → But I see that as a very last resort.
- HAVE is getting to be a routine ailment back here. Should we be doing more to educate people about it? Displays in visitor centers? More attention "Backcountry Basics"?

APPENDIX A Trails Needing Work

1) Bogs approximately 1 mi. east of LS Ranger Station on trail to Big Five
this area is very wet and suffers resource damage from travel during
the first $\frac{2}{3}$ of the summer. Rangers have repeatedly submitted this
spot as an area needing attention. It needs two short stretches of
causeway or corduroy. I estimate it would take the regular crew
about a week to complete this project. Soil & rocks are both readily
available.

2) Soda Creek to Lost Canyon :

This is unconstructed trail. It is steep, loose, and has bad slickrock area.
It is a dangerous area for stock. Billy Hancock believes the solution is
complete reroute which would include switchbacks above the current
trail, connecting directly to the Lost Canyon crossing -

3) Lost Canyon to Big Five Lake #1 :

This is unconstructed trail. It is extremely steep and loose. There is no
water control. There are many exposed roots. On the Big Five side there
is a lot of slickrock which can be hazardous for stock. After the
Soda/Lost section is rebuilt, this should be the next priority for construction.

4) Upper Lost Canyon :

Deep erosion gullies/resource damage. Unconstructed trail with no water
control. The trail crew has been rerouting bad sections a bit at a time
this work needs to be continued. If they can spend at least one week a
season, they'll get it knocked out before long. The work they did over
last 3-4 seasons is excellent.

APPENDIX B

Campfires & Fire Limits.

When I hiked from Lyndall Cr. to Little Five at the beginning of July, I was profoundly struck by the ~~obvious~~^{manifest} differences in conditions in the two areas. This, in turn, led me to a recognition of how different the Great Western Divide country is from the Crest, and, subsequently, to a firm belief that THE GREAT WESTERN DIVIDE MUST BE MANAGED SEPARATELY FROM THE REST OF THE KERN. This applies especially to fire restrictions, but is probably equally pertinent to any other type of management. (Meadows, for instance)

When I left Lyndall, the snow level was 12,000' and rising rapidly. I arrived here to find 80% snow on the trail up from Big Arroyo, which is at 9600'. On the day I heard the Crabtree Ranger report that Trail Crest (13,500') was snowfree, I was on Sawtooth Pass (11,600') looking at 1,000'^{vertical} of solid snow. This difference in precipitation levels is dramatic and undeniable. The difference in treeline is equally obvious. Treeline on the Divide ranges between 10,000' (Big Arroyo) and 10,500'. On the Crest, there are trees up to 1,000' higher.

The drainages on the Divide have far more in common with each other than they do with the Crest. At the same time that Lyndall Cr. (10,700') was snowfree, there was almost solid snow in Milestone and along the Upper Kern to 10,000'. The very wet meadows in the Kern-Kaweah and Upper Milestone are far more reminiscent of Little Five and Big Five than of anything on the Crest. Meadows on the Crest ultimately dry out; most of these remain saturated all summer. (When I was in the Kern-Kaweah in early September, the upper meadows were still full of standing water.)

Previous fire limit regulations have not taken into account either the differences between the Divide and the Crest, nor the consistency in conditions along the ~~Crest~~^{Divide}. The result is that now, as we struggle to define more appropriate fire limits, there are vast inconsistencies. Finally, the Upper Kern is restricted to fires above 10,000', as is Milestone. In the neighboring Kern-Kaweah where treeline is about 10,400', fires are allowed to 11,200'. No fires above 10,000' in the Big Arroyo, but in the Big Five Lakes (treeline ~ 10,200') fires are allowed to 11,200'. This is nonsense! I suggest

that a rational approach to fire limits would be to identify where treeline occurs and set limits at a standard amount BELOW treeline. To set the fire limits AT treeline is as absurd as setting them several thousand feet ABOVE treeline as is currently the case on the Divide. It is exactly those trees at treeline we need to be protecting. With all this in mind, I submit the following recommendations for fire closures:

- 1) All Little Five Lakes should be closed. (Currently the R.S. Lake & the lowest lake are open to fires) a) The lowest lake is surrounded by sparse lodgepole & foxtail, about $\frac{1}{2}$ & $\frac{1}{2}$ of each. There is almost no dead & down. There is sparse foxtail between that lake and Long Lake. The camp MK Packers use below Long Lake is AT treeline, and the trees are exclusively ^{Foxtail} lodgepole. The edge of continuous forest is, effectively, ^{in this drainage.} at the lowest of the Little Five Lakes. b) The Ranger Station is also AT treeline. There is sparse lodgepole surrounding the lake. There are many signs of limbs and standing snags having been hacked and broken. Wood being burned is generally over 6" diameter. There are fresh scars this summer from small standing snags having been cut or broken off.
- 2) There needs to be a restriction at Big Five Lakes - AT LEAST the upper 3 lakes should be closed. The second to lowest lake may be okay. Treeline is effective at the inlet of Big Five # 3, with sparse, scattered foxtail above. Big Five # 3 shows all the same signs of abuse as the L-S R.S. lake - including very recent sawn or chopped snags, broken branches, and huge logs being burned. There is almost no dead/down wood except where a recent snag has fallen.
- 3) The Kern-Kaweah should be restricted above the base of the waterfall & west of Gallats Lake, if not below. There are huge, ugly scars in the meadow where the trail turns north to the Pass where people build fires right ON the meadow (there's essentially no bare ground) and this area shows the usual impact of fire - there's little dead & down. (See above)
- 4) Kaweah Basin should be completely closed to fires. (And Picket Creek.) This is not a big problem as the few who use this inaccessible basin are generally conscientious enough to avoid fires because of the impact. However, wood is

scarce here as well, and the relatively pristine nature of this basin should be protected.

I believe these recommendations are both reasonable and moderate. Fire restrictions in 9 Lakes Basin, at Little Claire, & at Tyndall Creek crossing have made a huge difference in the condition of these camp areas in returning them to a more natural, aesthetically pleasing state. The difference at Tyndall in just 3 seasons is startlingly dramatic. Doesn't the Little Fire / Big Fire area deserve as much?

Given that the Upper Kern and Milestone, and Big Arroyo are restricted to fires above 10,000', and given where tree line falls in Little 5 - Big 5 - Lost Canyon, 10,000' seems a reasonable elevation to set the limit if we go with a uniform fire limit on the Divide.

Recommendations Summary

- Close all Little Five Lakes to fires
- Close 3 upper Big Five Lakes " "
- Ask M.K. Pack Station to use camp @ outlet of Big 5 # 3 rather than camp at east side / inlet end (point camp).
- Change regulation to read: "~~No~~ Fires prohibited at Little Claire Lake"
- Move food storage locker from Columbine Lk. to jet. Big Five / Soda Creek / Lost
- Monitor bear activity on Chagoopa Plateau. Consider removing Moraine Lk. bear box if there is no activity for a few more years.
- Continue encouraging people to use canisters - encourage dispersed use rather than concentration at food lockers
- Increase patrol of Little Claire & Forester Lakes
 - Continue discouraging camping in 9 Lakes Basin unless parties have canisters
 - Franklin Pass trail needs to be more clearly defined on E. side of pass and spur trail towards Little Claire must be obliterated. Ask M.K.P.S. NOT to ride people out the spur trail for views.
- Restrict grazing in sub-alpine lake basins on the west side of the Divide
- Consider removing some of the "rehabilitation site" signs and doing whatever rehab work is necessary to discourage use
- No fires in Kaweah Basin, or Kern-Kaweah beyond Gallats Lake

Station Needs (For 1994)

Do NOT need:

Plastic bags

Blazo

duct/strapping tape

HAVE:

$\frac{1}{2}$ propane tank (large) - 2 8 ft. hoses - regulator

$1\frac{1}{2}$ cans (5 gal.) blazo ($7\frac{1}{2}$ gallons)

$\frac{1}{2}$ qt. kerosene

$1\frac{1}{2}$ rolls T.P.

11 small propane canisters

Maps - Kern Pk.

Whitney

M.K.

Triple Divide

} 15 min. quad

Triple Divide

M.K.

Chagoopa Falls

mt. Kaweah

} $7\frac{1}{2}$ min quad

New

6 burlap sacks

Isotherm bottle

NEED:

T.P.

Matches

Paper towels

Burlap sacks?

New piece stovepipe & cap

Floor finish/sand paper

WISH LIST:

Cutting board

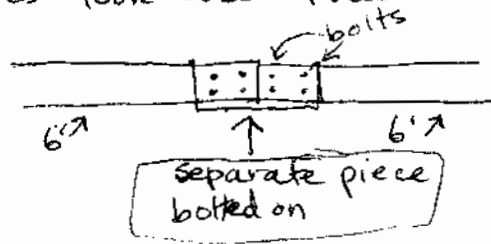
Sharp knife

2 plastic tumblers

Needed for "Furniture" & Tent

- Need 2 12' x 5" x 1/2" pieces for sides of tent

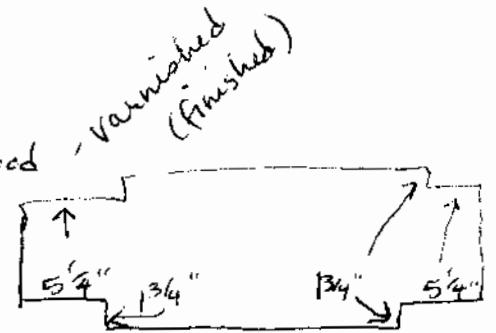
Previous sides look like this



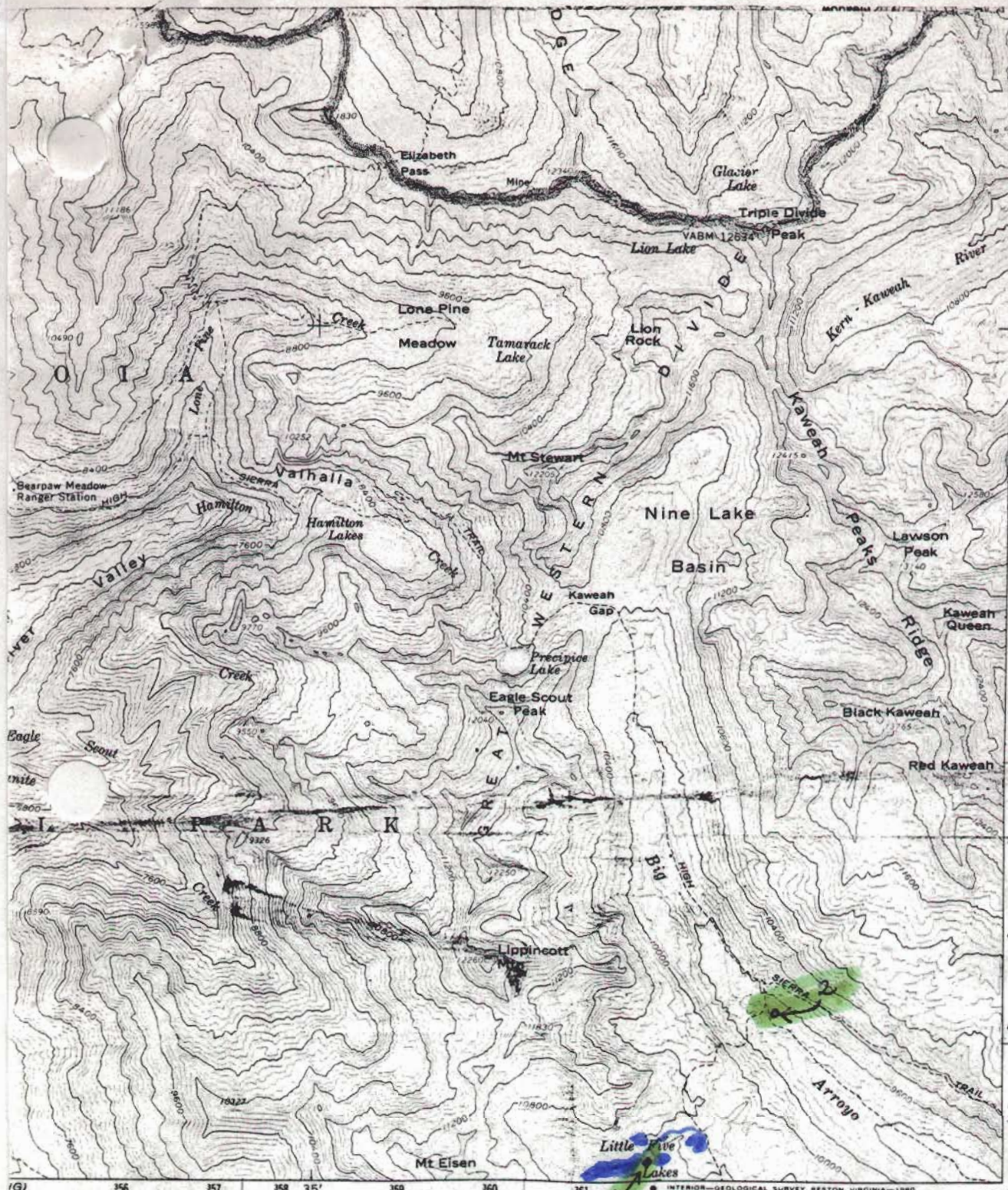
If two smaller pieces need to be flown in we could do this again

- Shelves - 2 pieces plywood 4' x 2', 1/2" plywood

one piece needs to be notched:

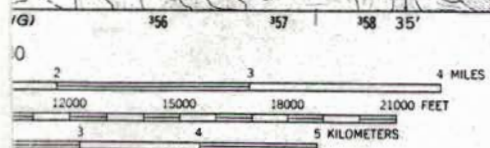


- * If Randy DOESN'T get alternative shelves



CHAGOOPA FALLS RANGER STA. 15 M

4050
35'
4049
4048
4047
4046
4045
4044
4043
4042
4041000m N
36°30'



ROAD CLASSIFICATION
 Medium-duty ——— Light-duty ———
 Unimproved dirt - - - - -



QUADRANGLE LOCATION

TRIPLE DIVIDE PEAK, CALIF.
 N3630—W11830/15

1956
 LIMITED REVISION 1967
 DMA 2257 II—SERIES V795

80 FEET
 DATUM OF 1929

AP ACCUR STANDARDS
 RADO R RESTON, VIRGINIA 22092
 YMBOL BLE ON REQUEST

STOCK CAMPS

Note: these are relatively small camps, mostly used by H.K.P.S

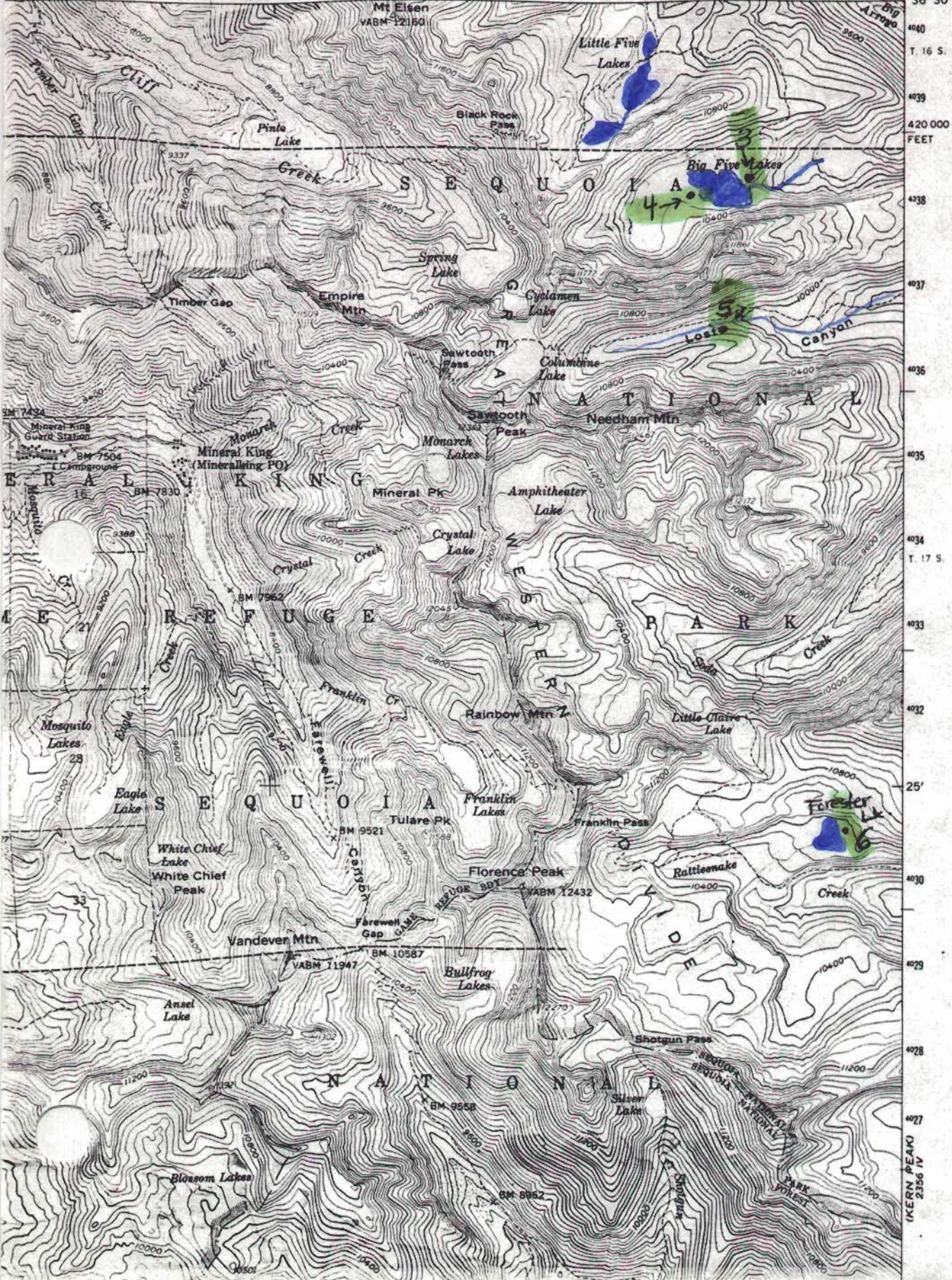
8

STOCK CAMPS

MINERAL KING QUADRANGLE
CALIFORNIA-TULARE CO.
15 MINUTE SERIES (TOPOGRAPHIC)

2357 III
(MT. WHITNEY)

EAKI 156 R 31 E 157 158 35' 30" 159 160 161 162 2 140 000 FEET 164 R 32 E 165 118° 30' 36° 30'



T. 16 S.
420 000 FEET
438
437
436
435
434
433
432
25'
430
429
428
427
(KERN PEAK) 2356 IV