Bear 100

2014

THE BEAR 100
36 HOURS OF INDIAN SUMMER

BEAR 100 DATA ENTRY & TRANSFER

Cache County ARES
Novermber 1st 2014
Tyler Griffiths N7UWX
Ted McArthur AC7II
Cordell Smart KE7IK

Race Route

Net Control

Finish

Start
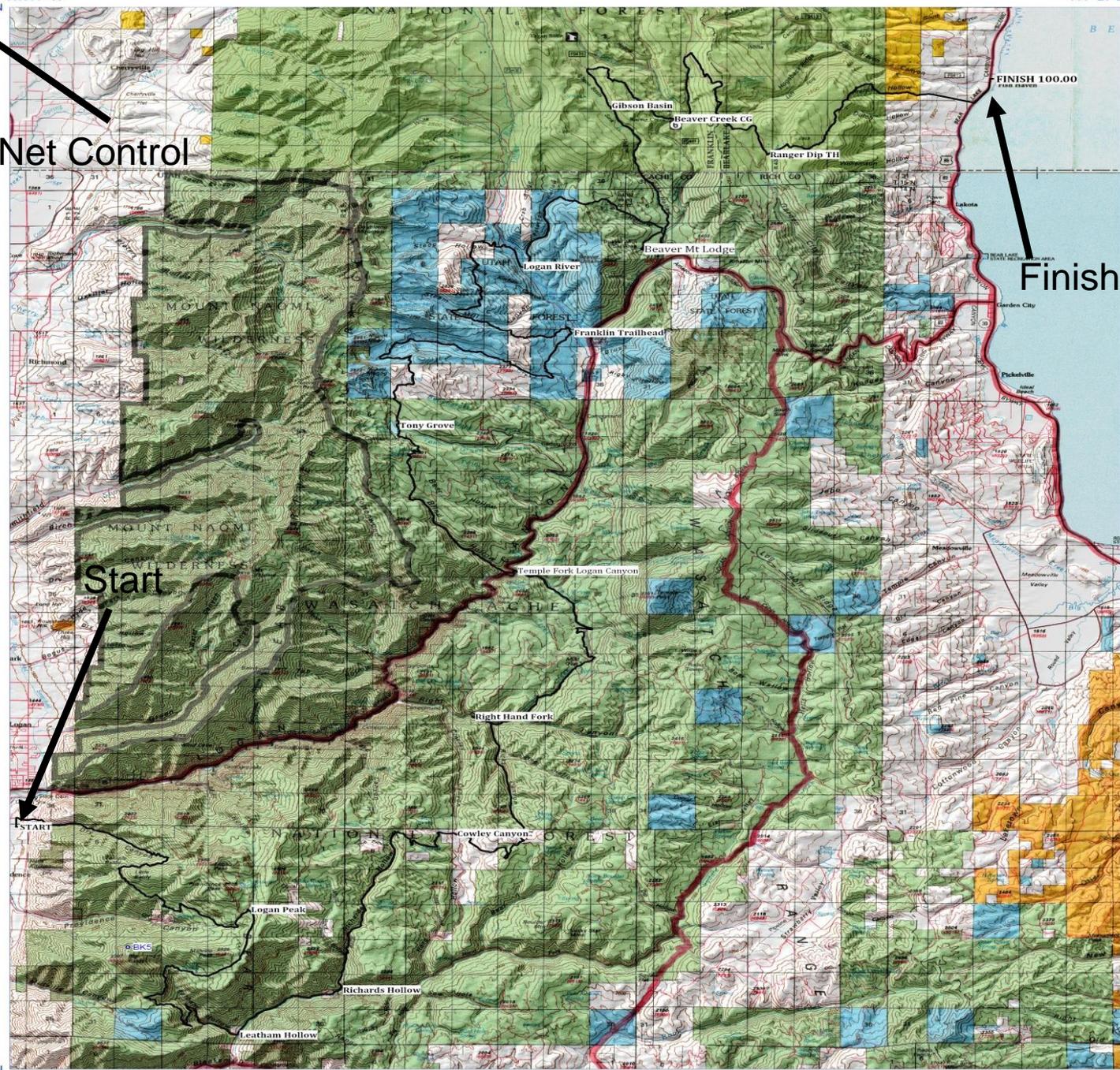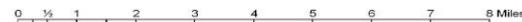
BEAR 100 - Year 2014

Aid Station 13

Number	Runner #	In	Out	Number	Runner #	In	Out
1	168	23:41	23:43	26	62	4:35	4:49
2	181	0:25	0:26	27	20	4:45	4:48
3	284	0:32	0:35	28	290	4:49	5:02
4	260	0:51	0:56	29	197	5:19	5:55
5	260	1:09	1:14	30	289	5:20	5:26
6	278	1:26	1:26	31	230	5:41	5:50
7	56	1:50	1:57	32	262	5:58	6:01	6:02
8	179	2:07	2:11	33	63	6:20	6:22
9	178	2:22	2:32	34	78	6:22	6:35
10	269	2:51	2:53	35	81	6:33	6:36
11	296	2:52	2:54	36	277	6:33	6:59
12	275	2:53	2:54	37	124	6:39	6:50
13	203	2:54	2:56	38	232	6:39	6:50
14	193	3:18	3:20	39	2	6:50	6:50	7
15	112	3:23	3:29	40	209	7:08	7:16
16	237	3:39	3:45	41	129	7:12	7:46
17	305	3:40	3:46	42	98	7:13	8:15
18	297	4:10	4:13	43	21	7:13	8:16
19	171	4:17	4:22	44	271	7:36	8:00
20	31	4:20	4:32	45	199	7:36	7:40
21	212	4:23	4:32	46	258	7:39	7:39
22	86	4:24	4:24	47	283	7:41	7:47
23	208	4:29	4:34	48	77	7:45	7:58
24	302	4:31	4:39	49	49	7:48	8:07
25	216	4:32	4:39	50	116	7:53	7:56

8:

2014 In & Out Time Data

- 13 Aid Stations
- 310 registered. 279 runners started
- In & out time for each

13 X 279 X 2 = 7254 data points

- Plus Finish Line
- 7 seconds per item = over 8 hours of one way transmissions.

Data used to be tracked with a public Google Spreadsheet

2011 Bear 100 Race Results ☆

File   Edit   View   Insert   Format   Data   Tools   Help   Last edit was made 64 days ago by ldoney1   🌐 Share

fx | #

#	Last Name	First Name	Age	Gender	Home	LGN PK IN AID 1 IN	LGN PK OUT AID 1 OUT	LEATH IN AID 2 IN	LEATH OUT AID 2 OUT	RICH IN AID 3 IN	RICH OUT AID 3 OUT	CWLY IN AID 4 IN	CWLY OUT AID 4 OUT	RH FRK IN AID 5 IN	RH FRK O AID 5 OUT
318	Adams	Larry				916	0921			1226	1229	1458	1511	1711	1716
319	Adams	Roger				0837	0837			1057	1100	1256	1256		
320	Adler	Bob				0847	0848			1104	1105	1257	1257	1435	1440
321	Aguirre	Andreas				0815	0815			1006	1007	1129	1132	1244	1246
322	Ahern	Dennis				0840	0841			1050	1051	1244	1246	1423	1428
323	Albrecht	Quincie				0909	0913			1159	1205	1412	1424	1617	1626
324	Anderson	Ryan				0837	0838			1050	1051	1244	1246	1427	1436
325	Angel Andrade	Julio Cesar				0843	0844			1112	1114	1308	1315	1506	1518
326	Arble	Kenneth				0925		1213	1216			1420	1424	1613	1617
327	Askew	Chris								1018	1019	1148	1149	1305	1307
328	Askew	Darla				0821	0822			1031	1032	1208	1211	1337	DNF
329	Baker	Chris				DNS	DNS	DNS	DNS	DNS	DNS	DNS	DNS	DNS	DNS
330	Barney	Andrew				0856	0858			1144	1148	1400	1408	1402	1555
331	Bartley	John				0859	0901			1136	1138	1343	1353	1545	1558
332	Benhammou	Daniel				0820	0820			1030	1031	1223	DNF	DNF	DNF
333	Benjamin	Ben				0919	0921			1209	1213	1434		1630	1632
334	Berriochoa	Emily				0914	0915	1220	1221			1452	1454	1701	1701
335	Bertot	Jeff				0822	0824			1022	1022	1156	1156	1312	1314
336	Beutler	Stan				0841	0842			1119	1120	1330	1332	1532	1535
337	Bierstedt	Michele				0848	0849			1117	1118	1317	1322	1524	???
338	Biesinger	Chris				WITHDREW	WITHDREW	WITHDREW	WITHDREW	WITHDREW	WITHDREW	WITHDREW	WITHDREW	WITHDREW	WITHDREV
339	Blackett	Cody				0910	0913			1148	1150	1406	1412	1601	1615
340	Blackham	Amie				0905	0907			1120	1123	1305	1310	1433	1438
341	Boyce	Bedford				DNS	DNS	DNS	DNS	DNS	DNS	DNS	DNS	DNS	DNS
342	Brackelsberg	Chad				0818	0819			1019	1021	1202	1202	1324	1331
343	Bray	Daniel				0905	0908			1156	1201	1419	1427	1627	1639
344	Bremner	Steve				0816	0818			1022	1022	1159	1200	1328	1338
345	Briggs	Dave				0844	0846			1106	1108	1258	1302	1433	1445
346	Brown	Christopher				0834	0839			1054	1056	1254	1304	1442	1451
347	Buettner	Stephanie				0910	0915			1149	1157	1402	1410	1602	1612
348	Buffington	Marc				0836	0839			1055	1058	1305	1305	1433	1439
349	Burford	Levi				0834	0835	0937	0937	1055	1058	1302	1303	1447	1500
350	Cain	Rob				0825	0827					1218	1220	1346	1347
351	Campbell	Mindy				0840	0840			1051	1054	1248	1251	1430	1438
352	Carr	Derrick				0820	0821			1017	1018	1156	1205		
353	Cawley	Christopher				0808	0809			0954	0955	1127	1128	1242	1245
354	Cawthon	Larry				0906	0907			1134	1137	1337	1347	1521	1528
355	Chan	Dan				0919	0920			1208	1213	1417	1424	1611	1619
356	Chase	Jim				0849	0852			1128	1131	1322	1328	1510	1515
357	Chase	Jody				0856	0858			1118	1120	1306	1310	1443	1450

+ ≡   Runners ▾   Runners Sorted

2014 Packet/RMS Statistics
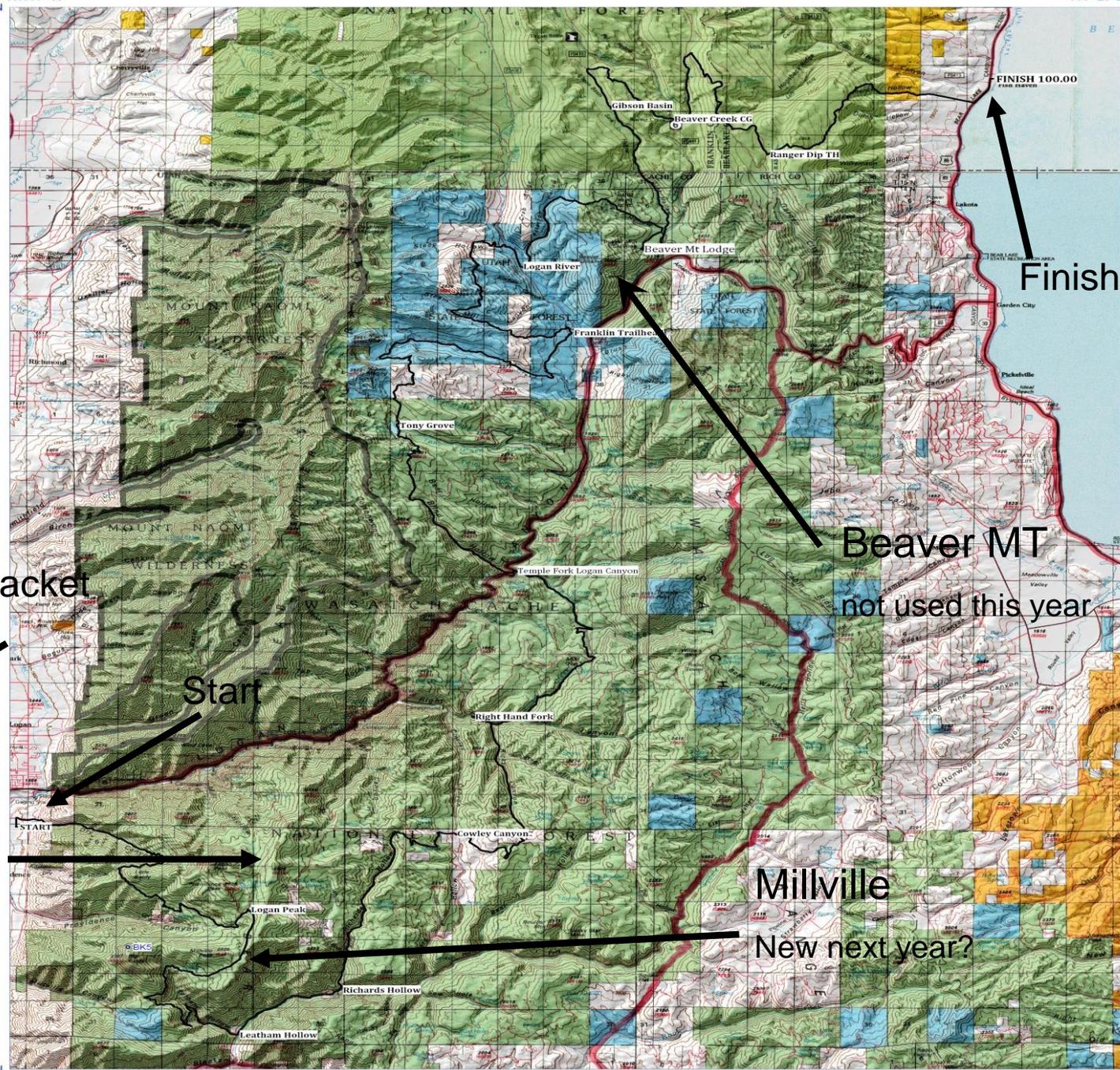
- Aid Stations Using Computers 13 + Finish Line
- Aid Stations using Packet - 10
    - 1, 3, 4, 5, 6, 7, 8, 9, 10, 13
- Connect Requests = 188
- Activity Time Out = 35
- Successful Sent Files = 54

Packet Node Locations

FINISH 100.00

Finish

Beaver MT

not used this year

RMS Packet Server

Start

Logan Peak

Millville

New next year?
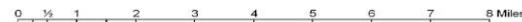
2014 Packet/RMS Statistics

- Time to send DNS/DNF .cvs   1:11
- Time to send DNS/DNF .xls   3:12
- Time to send Aid1 Final   1:03

These were one hop test. Through a digipeater (not direct) would probably double the time.

- Most connects took 2 – 4 minuets

- Aid Station 3 used pure packet. Took 8 – 9 minuets per file

- RMS Express packet compression does work.

Online Data Entry

Event

Bear 100 2014 Webcast

Race Clock

Elapsed Time

36:00:00

Clock Time

13:52:29

Checkpoint

Select a checkpoint...

Earliest Time In: --:--
Cutoff Time: --:--

Time Input Mode ⓘ
- ● Clock Time
- ○ Elasped Time

Status Mode ⓘ
- ● Time In
- ○ Time Out
- ○ DNS

Race Day
(Day 2 is midnight after start)

Day 1 ▼

☐ Set all times the same

Data Status

OK: 0
Error: 0

2014 Runner Report Form

User: --Data Admin--   Logout

Process Data	Reset Form	Bulk	Single	On Course	Help

Line	Bib#	Time	Runner Status	Race Day	Update Message
1			IN: Time In ▼	Day 1 ▼	
2			IN: Time In ▼	Day 1 ▼	
3			IN: Time In ▼	Day 1 ▼	
4			IN: Time In ▼	Day 1 ▼	
5			IN: Time In ▼	Day 1 ▼	
6			IN: Time In ▼	Day 1 ▼	
7			IN: Time In ▼	Day 1 ▼	
8			IN: Time In ▼	Day 1 ▼	
9			IN: Time In ▼	Day 1 ▼	
10			IN: Time In ▼	Day 1 ▼	
Line	**Bib#**	**Time**	**Runner Status**	**Race Day**	**Update Message**
11			IN: Time In ▼	Day 1 ▼	
12			IN: Time In ▼	Day 1 ▼	
13			IN: Time In ▼	Day 1 ▼	
14			IN: Time In ▼	Day 1 ▼	
15			IN: Time In ▼	Day 1 ▼	
16			IN: Time In ▼	Day 1 ▼	
17			IN: Time In ▼	Day 1 ▼	
18			IN: Time In ▼	Day 1 ▼	
19			IN: Time In ▼	Day 1 ▼	
20			IN: Time In ▼	Day 1 ▼	
Line	**Bib#**	**Time**	**Runner Status**	**Race Day**	**Update Message**

IP: 198.185.10.2
Browser: Mozilla/5.0 (Windows NT 6.1) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/37.0.2062.124 Safari/537.36

Online Look-Up

Bear 100 2014 Webcast
September 26-27, 2014

Elapsed Time:
36:00:00

Runner:

Race Information

Overall Leaders

Top Men

Top Women

By Checkpoint

My Favorites

Starters

Finishers

Drops

My Favorites

<< Return   Station Detail

Place	Bib No	Name	Status	Time In	Time Out	Elapsed	Gender	Age
1	168	Brian Peterson	Finished	00:59am	--:--	18:59:24	M	32
2	284	Luke Nelson	Finished	01:51am	--:--	19:51:21	M	34
3	121	Jason Koop	Finished	02:06am	--:--	20:06:58	M	35
4	260	Pierre Loic Deragne	Finished	02:32am	--:--	20:32:18	M	45
5	266	Jeason Murphy	Finished	02:42am	--:--	20:42:22	M	34
6	278	Anna Frost	Finished	02:59am	--:--	20:59:24	F	32
7	56	Dustin Simoens	Finished	03:47am	--:--	21:47:46	M	26
8	178	Gabe Joyes	Finished	04:08am	--:--	22:08:56	M	28
9	179	Clay Warner	Finished	04:11am	--:--	22:11:51	M	31
10	269	Elliott Barcikowski	Finished	04:50am	--:--	22:50:14	M	34
11	203	John Fitzgerald	Finished	04:50am	--:--	22:50:43	M	27
12	256	Ted Mahon	Finished	04:52am	--:--	22:52:07	M	42
13	193	George's Dad	Finished	05:10am	--:--	23:10:34	M	36
14	237	Gary Davis	Finished	05:28am	--:--	23:28:26	M	40
15	112	Jeff Rome	Finished	05:34am	--:--	23:34:39	M	25
16	305	Shane Martin	Finished	05:34am	--:--	23:34:39	M	47
17	275	Phillip Lowry	Finished	05:55am	--:--	23:55:59	M	48
18	86	Sebastien Welterlin	Finished	06:03am	--:--	24:03:26	M	36
19	171	Paul Monaco	Finished	06:10am	--:--	24:10:20	M	39
20	208	Jason Eichhorst	Finished	06:13am	--:--	24:13:46	M	38
21	297	Matt Schrier	Finished	06:23am	--:--	24:23:00	M	41
22	292	Kevin Shilling	Finished	06:28am	--:--	24:28:30	M	46
23	216	Curtis Adams	Finished	06:37am	--:--	24:37:08	M	32
24	31	Judd Haaland	Finished	06:42am	--:--	24:42:00	M	49
25	20	Sarah Vlach	Finished	06:47am	--:--	24:47:32	F	43
26	302	Ian Farris	Finished	07:06am	--:--	25:06:59	M	32
27	62	Adam Takacs	Finished	07:29am	--:--	25:29:02	M	34
28	290	Petra Mcdowell	Finished	07:45am	--:--	25:45:51	F	42
29	289	Garrett Smith	Finished	07:49am	--:--	25:49:52	M	34
30	262	Spencer Weiler	Finished	07:55am	--:--	25:55:28	M	29
31	63	Amber Monforte	Finished	08:14am	--:--	26:14:35	F	36
32	230	Michael Mcknight	Finished	08:19am	--:--	26:19:40	M	24
33	232	Derek Call	Finished	08:39am	--:--	26:39:49	M	37
34	2	Richard Kresser	Finished	08:39am	--:--	26:39:51	M	28
35	124	Ashley Maudsley	Finished	08:40am	--:--	26:40:14	F	32
36	197	Pablo Garcia	Finished	08:42am	--:--	26:42:26	M	31
37	81	Amie Blackham	Finished	08:44am	--:--	26:44:12	F	35
38	78	Seth Hales	Finished	08:44am	--:--	26:44:12	M	30
39	277	Erik Syrstad	Finished	08:59am	--:--	26:59:14	M	36
40	199	Anthony Garber	Finished	09:19am	--:--	27:19:57	M	51
41	283	Tony Henderson	Finished	09:33am	--:--	27:33:36	M	36
42	129	Jonathan Stuart	Finished	09:36am	--:--	27:36:33	M	31
43	116	Cody Reeder	Finished	09:47am	--:--	27:47:57	M	44
44	98	Kyle Markisich	Finished	09:50am	--:--	27:50:45	M	30
45	77	Jessica Laroche	Finished	09:56am	--:--	27:56:47	F	35
46	221	Erich Owen	Finished	10:02am	--:--	28:02:46	M	41
47	240	Don Hantla	Finished	10:04am	--:--	28:04:49	M	28
48	299	Bruce Godderidge	Finished	10:07am	--:--	28:07:06	M	56
49	39	Jon Webb	Finished	10:09am	--:--	28:09:22	M	40
50	238	Brian Hamos	Finished	10:19am	--:--	28:19:15	M	51

DNS/DNF List

2014 Bear 100 DNS (did not start) DNF (did not finish) and Latest Info

	System time:	10/29/2014 13:45:51										

	DNS					**DNF**		Add More Rows As Necessary				
Line#	Bib #	First Name	Last Name	Sex	Line#	Bib #	First Name	Last Name	Sex	DNF Type	DNF Location	Time	Notes
1	14	Chris	Mead	M	1	4	Thim	Shea	M		Aid 6	2149	
2	27	Mark	Tichinel	M	2	9	Scott	Kummer	M		Aid 6	2219	
3	29	Jason	Carpenter	M	3	11	Dale	Cougot	M		Aid 12	1228	
4	32	Robert	Villani	M	4	12	Peter	Bray	M		Aid13	1352	
5	34	Paul	Smith	M	5	15	Brody	Welch	M		Aid 7	0027	
6	42	Victoria	Funk	F	6	16	Daniel	Kefford	M		Aid 12	220	
7	47	Betsy	Romney	F	7	19	Tom	Dmukauskas	M		Aid 7	1707	
8	57	Chelsey	Anderson	F	8	23	Hayley	Pollack	F		Aid 6	2219	
9	59	Jason	Thompson	M	9	25	Christian	Sorenson	M		Aid 11	641	Headed to 12
10	68	Linda	Mcfadden	F	10	30	Matthew	Hintzman	M		Aid 12	649	
11	71	Jeff	Pflueger	M	11	37	Linh	Shark	F		Aid13	1649	
12	79	Elizabeth	Desser	F	12	45	Kelly	Agnew	M		Aid 5	15:25:00	
13	88	James	Litchfield	M	13	48	Ben	Fletcher	M		Aid 8	209	
14	89	Donna	Braswell	F	14	51	Jason	Davis	M		aid 7	2219	
15	94	Erin	Euston	F	15	54	Brian	Mcneill	M		Aid 10	906	
16	95	Rob	Cook	M	16	60	Sean	Doran	M		Aid 6	1759	
17	101	Jim	Williamson	M	17	61	Drew	Meyer	M		Aid 9	706	
18	106	Robert	Youngman	M	18	64	Dave	Kappus	M		Aid 13	1354	

Bear 100 Data Entry & Transfer

- Because installation and usage of Winlink/RMS Express is fairly well known and fairly extensive we will not cover this in this session.

- We will cover how to use the Data Entry Software and get the Data base file and send it via RF (Winlink RMS Express).

Runner Time Entry

- Software Time Entry.
  - Bear100win-v5.exe
    - Authors Cordell Smart KE7IK, Andrew Smart.

Runner Time Entry

- Start the exe.

Runner Time Entry

- Pick the Aid Station Location.

Runner Time Entry

Runner Time Entry

1. Several ways to enter it to Data Base with times.
2. For IN with number in the IN Box hit the Enter Box below, or hit the + Key.

Runner Time Entry

1. For OUT with the runner number in the OUT Box hit the Enter Box Below, or hit the – Key.

Runner Time Entry

1. For IN & OUT put the runner Number in either box and hit " / " key.

Keyboard Shortcuts

- Numeric key " + " adds the IN Time for the runner.
- Numeric key " - " adds the OUT Time for the runner.
- Numeric key " / " adds the same time to the IN & OUT Time for the runner.

Attaching a number pad either USB or wireless will greatly enhance data entry!

RFID

Getting Data file to send

1. Periodically send a file to keep the Master Database fairly up-to-date
2. Open the Data file It is in the folder that the exe. On my computer C:/Bear100app-V5/Backup.csv
3. Open it with Excel
4. Do a Save As with name you will remember and tells you what data is there. Like the Sequence Number so you know were you are.

Getting Data file to send

The ###### is because the cell is too small, Select Colum D&E put cursor next to the right edge of the cell on the top of Colum a double arrow will appear, Then drag it a little and the numbers will appear.

Getting Data file to send

1. Go ahead save and close the file. Save the file with "Aid Sta # and Seq #".
2. Then move on to RMS Express to send file.

Sending file to Net Control

1. Software Packet delivery of Data file.
   - RMS Express. Authors Winlink Development Team.
2. Start RMS Express.
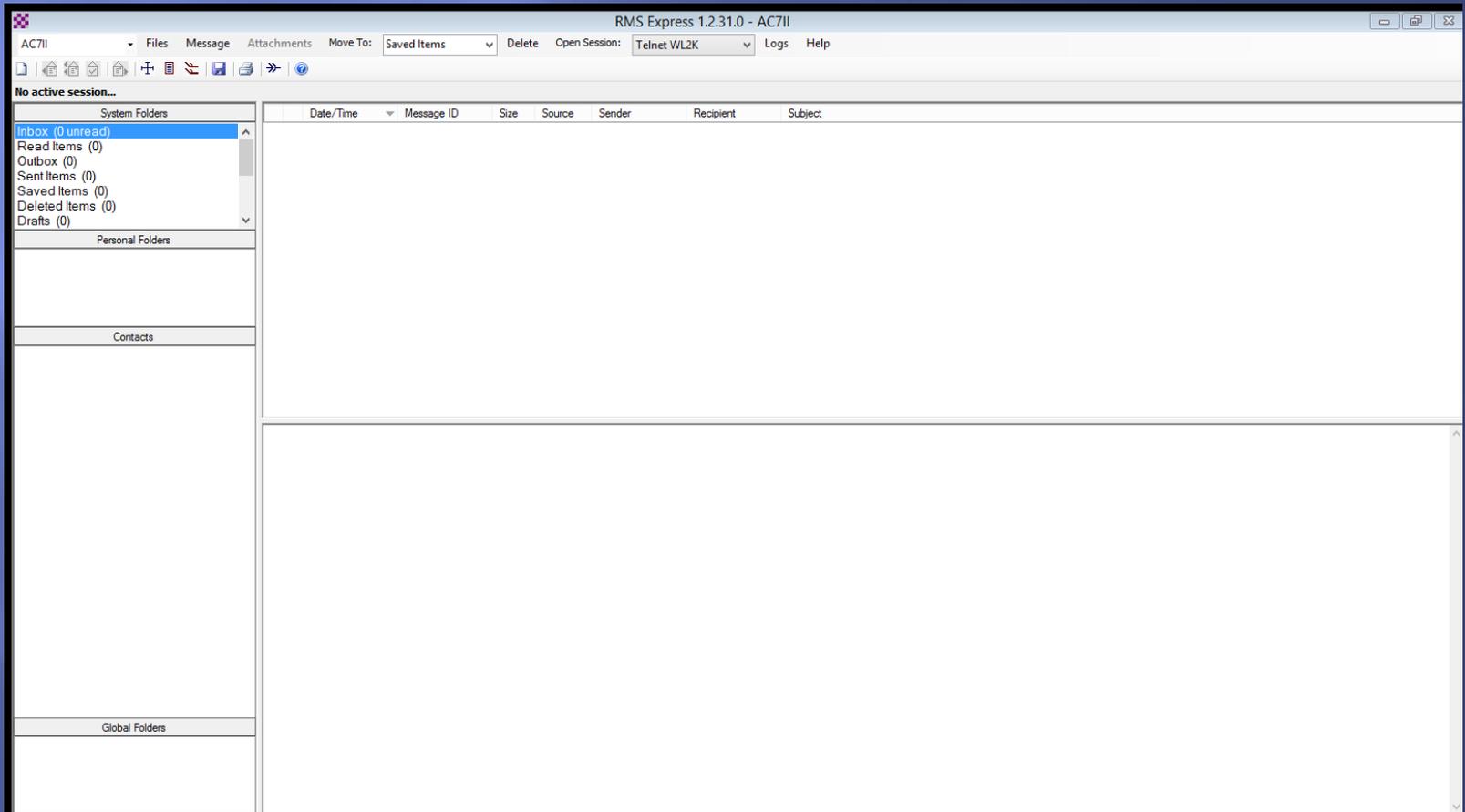
Sending file to Net Control

1. Open up the Message Window.

Sending file to Net Control

- To: someone@gmail.com
- Subject: Aid Sta # and Seq #
- Attach: Find the File that you created and attach

- Then Click on Post to Out Box
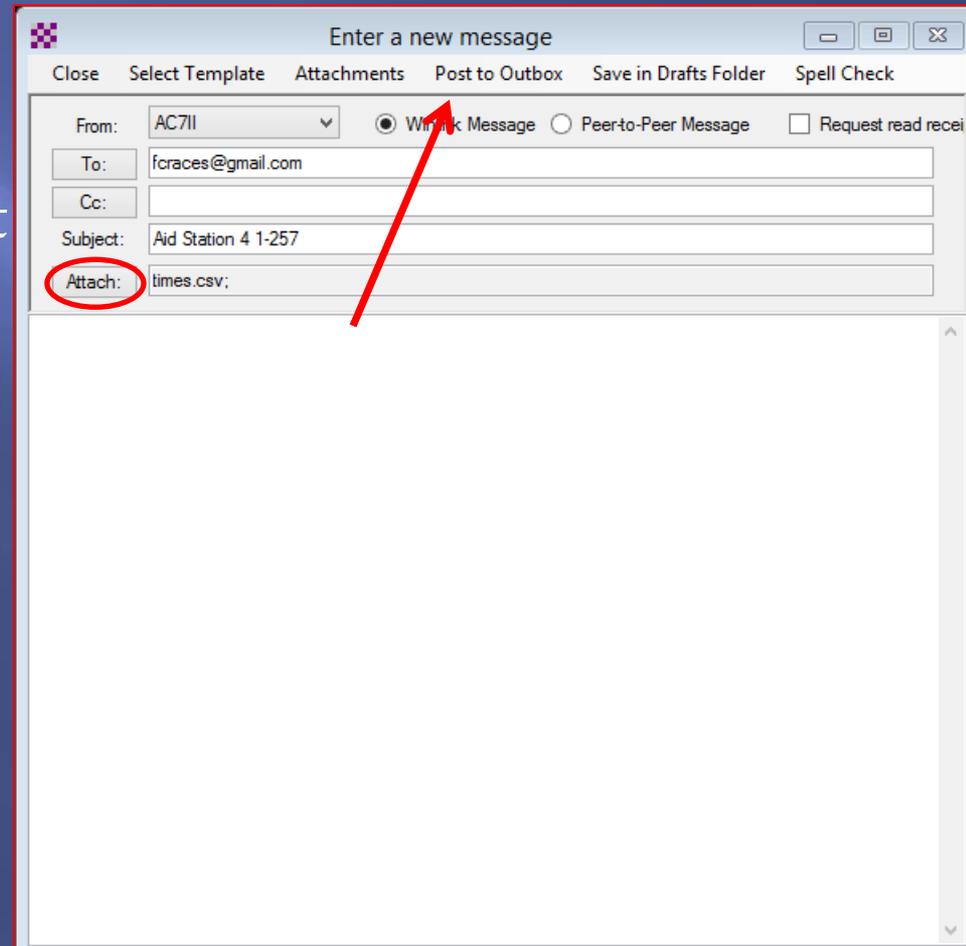
Sending file to Net Control

1. Select proper transmission Telnet WL2K, Packet WL2K or WINMOR WL2K

2. Open up the Open Session Window.
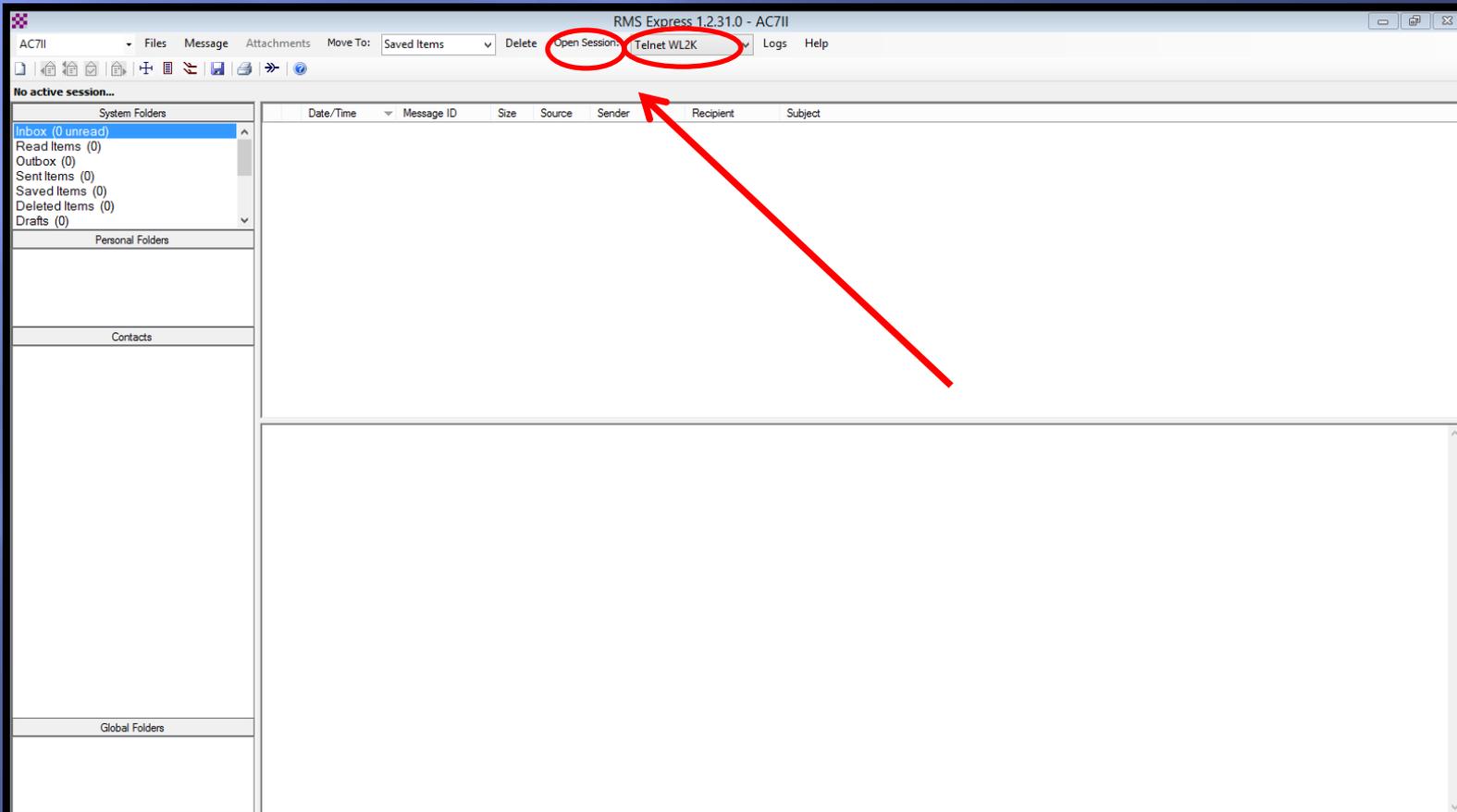
Sending file to Net Control

1. Select Digipeater

2. Use N7UWX-10 via N7UWX-2 this will Digipeat thru Mt Logan (N7UWX-2) then connect to The Sheriffs Office (N7UWX-10)

3. Then Click Start. This should send the File that you put n the Outbox.
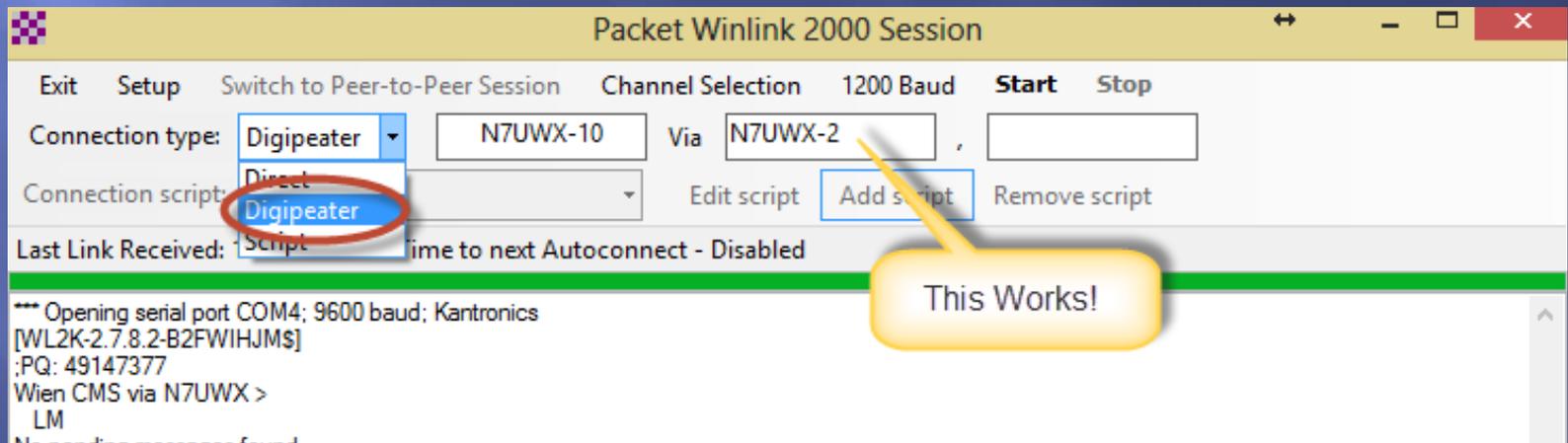
Net Control Receiving file

1. Once Net Control Receives File from the somone@gmail.com they need to adjust the format to see all the data they want.

2. Most of the Aid Station can use the Excel file as is just by doing what is shown on the next Slide

Net Control Receiving file

The ###### is because the cell is too small, Select Colum D&E put cursor next to the right edge of the cell on the top of Colum a double arrow will appear, Then drag it a little and the numbers will appear.

Net Control Receiving file

- The time for the Finish line requires to be to the second. The info is in all of the data that is sent but Excel doesn't show it until you follow the next steps.

- Again you only have to do this for the Finish line Data

Net Control Receiving file

Select the Columns with the times, Right Click and select Format Cell

Net Control Receiving file

Select Tab Number

Net Control Receiving file

Select the Category Custom

Net Control Receiving file

Select Type m/d/yyyy h:mm

Net Control Receiving file

Add :ss to the end of m/d/yyyy h:mm so it reads m/d/yyyy h:mm:ss, then Click OK

Net Control Receiving file

Now you will see the time all the way to seconds.

Next Year

- Cordells Bear 100 Software will be automated with packet
- RFID used to track runners IN/OUT
- Winlink/RMS Express will be used a back up and maybe to send DNS/DNF and other files
- More practice sessions sooner
- Early Testing From Field Locations

Software Sources

- Winlink Home Page
  - http://www.winlink.org/
- Winlink/RMS Express
  - http://www.winlink.org/RMSExpress
- RMS Express Setup Videos
  - http://www.winlink.org/content/k4ref_how_to_video_series_winlink_rms_express

  or
  - http://goo.gl/xQ3A5a
- Bear 100win
  - Cordell Smart KE7IK

Questions