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John Epler and Neil Ross  
Friends of the DR

September 6, 2011

Dear Mr. John Epler and Mr. Neil Ross,

I hope this letter finds you well. While my fellow three water volunteers departed in October after their two years, I have chosen to stay on board for at least another year as PCVL of the water and sanitation project as well as the new appropriate technology project. That said, many changes have been witnessed since our last wish list was sent just over a year ago.

As 2010 got off to a great start with FDR's gifts of new Abney Levels, a new pipe threader, and a new GPS, our program was in a dire situation. The final group of water volunteers tapered to two who arrived in August of last year. The first group of new appropriate technology (which includes water and sanitation) volunteers arrived in March of this year numbering sixteen. With this great news comes apprehension; our communal tools will have to be spread dangerously thin.

Traditionally, water volunteers have been clustered relatively close for ease of communication and vital aid to each other. With sixteen, this will not be possible. Clustering has been limited and placement range increased. Just as we thought we had our tooling issues resolved, we must again re-think how we are going to manage our limited tool supplies. Our pipe threader sets are now numbered to three (another set was donated by a personal donor) and can be effectively managed. Our nine Abney levels are all in use by current volunteers virtually eliminating downtime, and our two GPS's are regular work horses for site development. However, the problem will still remain; we will not have enough tools to be shared efficiently.

Therefore, I have a proposal. Continuing upon my proposal last year that all water volunteers be issued an abney level on swear-in, 7 new abney levels are to be purchased to account for the 7 appropriate technology volunteers who will be focusing primarily on water. Accordingly to low product reviews from volunteers, a higher-quality abney level must be purchased along with hard cases for protection. The cases purchased last year have been a God-send. Again, these tools will be the volunteers' responsibility during their service and must be returned in good condition at the close of their service. This will alleviate the unnecessary and costly time spent searching for an available unit.

The experimental GPS purchased last year was a smash-hit and therefore, we are requesting two more units to aid in site development and initial budgeting. This will

significantly increase productivity and will be vital for volunteers to design systems in a timely manner for funding sources. In addition to the GPS's, we request hard cases of the same brand but of a larger size to increase the life of these fragile instruments.

You will find attached several documents concerning the make and model of the abney levels and GPS's. Due to availability, it would be preferred to purchase these tools in the US and bring them down with volunteers. May I reiterate that these changes will greatly simplify the new appropriate technology projects and abate many headaches. I thank you for your consideration in this matter and appreciate your time.

Best Regards,

Mark Humberstone

PS: If you would be able to help us out would it be possible for you to purchase the tools in the US and send them to my home in Michigan so that Volunteers who come to the DR can bring them down.

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### ***Wish List Quote***

Mark Humberstone  
 Voluntario Cuerpo de Paz  
 September 6, 2011

Description	Quantity	Price (USD\$)	Total (USD\$)
Pelican Brand Dry Box Model 1200	7	\$52.79	\$369.53
Pelican Brand Pick 'n' Pluck Foam Insert for Dry Box Model 1060	7	\$8.25	
Pelican Brand Micro Case Series Dry Box Model 1040	4	\$19.89	\$79.56
Pelican Brand Pick 'n' Pluck Foam Insert for Dry Box Model 1040	4	\$12.99	\$51.96
Garmin eTrex Vista HCx GPS	2	\$214.54	\$429.08
CST Abney Level Model 17-645	7	\$118.39	\$828.73
Garmin eTrex Car Kit	1	\$23.99	\$23.99
		<b>TOTAL</b>	<b>\$1,656.09</b>
		<b>L</b>	<b>9</b>

### ***CST Abney level model 17-645***

Easily purchased from surveying supply company Stakemill.

<http://www.stakemill.com/index.php?>

[main\\_page=product\\_info&cPath=314\\_315&products\\_id=1151&zenid=6a761ff6997e7549b727ecf1f9cac93f](http://www.stakemill.com/index.php?main_page=product_info&cPath=314_315&products_id=1151&zenid=6a761ff6997e7549b727ecf1f9cac93f)



### ***Pelican Micro Dry Box 1060/1040***

A small, durable, and waterproof hard case that will serve to protect the delicate abney levels. This generic case can be purchased from the Optics Planet Company. Color does not matter.

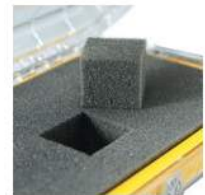
<http://www.opticsplanet.net/pelican-micro-case-series-dry-boxes-1060.html>



### ***Pelican Pick 'n' Pluck Foam insert - Micro Dry Box 1060/1040***

A foam insert that can be plucked to custom fit Abney level

<http://www.opticsplanet.net/pelican-pick-n-pluck-foam-insert-1062-for-micro-case-1060.html> =



### ***Garmin eTrex Vista HCx GPS***

Waterproof, shockproof, and easily portable. This is the model of GPS we currently have which volunteers are accustomed to using. This can be purchased from Amazon or any other source of your choosing.

[http://www.amazon.com/Garmin-eTrex-Vista-HCx-High-Sensitivity/dp/B000PDR1LS/ref=sr\\_1\\_1?ie=UTF8&qid=1297473830&sr=8-1](http://www.amazon.com/Garmin-eTrex-Vista-HCx-High-Sensitivity/dp/B000PDR1LS/ref=sr_1_1?ie=UTF8&qid=1297473830&sr=8-1)



### ***Garmin eTrex Vista HCx GPS Car Kit***

Car Kit for GPS includes cigarette lighter plug,



computer cable and wall charger

[http://www.amazon.com/Premium-Accessory-Power-Garmin-Venture/dp/9984981789/ref=sr\\_1\\_7?s=electronics&ie=UTF8&qid=1297528660&sr=1-7](http://www.amazon.com/Premium-Accessory-Power-Garmin-Venture/dp/9984981789/ref=sr_1_7?s=electronics&ie=UTF8&qid=1297528660&sr=1-7)

***Pelican 1200 Small Protector Drybox***

<http://www.opticsplanet.net/pelican-1200-small-protector-waterproof-case.html>

