

From: Priscilla Burton
To: OGMCOAL
CC: Abate, April; Campbell, Ingrid; Dean, Dana; Haddock, Daron; Lundmark...
Date: 10/27/2010 9:14 AM
Subject: 0070001 White Oak, Incoming, Baseline Mapping
Attachments: Whiteoak2004_targets.pdf; 2004targets.xls

>>> "Dunn, Mike" <mldunn@osmre.gov> Wednesday, October 27, 2010 6:57 AM >>>
Mark White with PSOMAS got back to me with the following:

Mike,
After you called me last Friday about the Coordinate System on the above mentioned mapping project, I found some information that may be useful to you (attached). I went back through the archives that were sent to me by the firm that had done the baseline mapping in 2003 & 2004, they received the control from yet another firm as best I can tell. The coordinates listed on the attachment are the project mapping coordinates, latitudes and longitudes shown are coarse but should help. I have no idea how these were established or by whom, but it is the only information I could find. Sorry it took so long to get back to you.

Sincerely,

Mark White
PSOMAS| Balancing the Natural and Built Environment
Survey Party Chief
4179 South Riverboat Road
Suite 200
Salt Lake City, UT 84123
Office: 801.270.5777
Cell: 801.891.2142
mark.white@psomas.com
www.psomas.com

I did some coordinate conversion and some calculations (attached spreadsheet).

Gotta go to a meeting. I'll write some more later.

Whiskey Creek Aerial Survey Targets

6/21/2004

point #	Northing	Eastng	Elevation	Description	Latitude	Longitude
601	50231.856	729530.266	9177.920	CP		
602	51264.680	728604.328	9235.710	CP-NW target	39d40.040'	111d11.391'
603	51101.096	729317.640	9038.900	TP		
1	50087.082	728558.026	9137.198	SW target	39d39.848'	111d11.383'
2	50363.972	728465.606	9069.566	Old aerial target (log)		
3	51052.372	730244.918	8972.454	SE target	39d40.024'	111d11.035'
4	51293.754	730049.802	8889.555	old aerial target (pond)		
5	51443.920	729978.480	8885.542	YPWB (yellow painted white bucket)		
6	52020.700	730414.294	8877.886	NE target	39d40.184'	111d11.015'
604	51101.122	729317.696	9038.990	TP		

6/22/04

point	local easting	local northing	elevation	desc
601	729530.266	50231.856	9177.920	CP
602	728604.328	51264.68	9235.710	CP-NW target
603	729317.64	51101.096	9038.900	TP
1	728558.026	50087.082	9137.198	SW target
2	728465.606	50363.972	9069.566	Old aerial target (log)
3	730244.918	51052.372	8972.454	SE target
4	730049.802	51293.754	8889.555	old aerial target (pond)
5	729978.48	51443.92	8885.542	YPWB (yellow painted white bucket)
6	730414.294	52020.7	8877.886	NE target
604	51101.122	729317.696	9038.990	TP

602	39.6673333	111.18985	9235.710	CP-NW target
1	39.6641333	111.1897167	9137.198	SW target
3	39.6670667	111.1839167	8972.454	SE target
6	39.6697333	111.1835833	8877.886	NE target

lat	lon	SP27 CZ easting	northing	SP83 CZ easting
39.66733333	-111.18985	2087306.389	486028.516	1727515.844
39.66413333	-111.1897167	2087347.956	484863.139	1727557.404
39.66706667	-111.1839167	2088976.933	485937.239	1729186.408
39.66973333	-111.1835833	2089067.348	486908.825	1729276.83

39.66733333	111.18985	2087306.389	486028.516	1727515.844
39.66413333	111.1897167	2087347.956	484863.139	1727557.404
39.66706667	111.1839167	2088976.933	485937.239	1729186.408
39.66973333	111.1835833	2089067.348	486908.825	1729276.83

northing	delta 27	delta 83		
7047690.573	1358702.061	434763.836	998911.516	6996425.893
7046525.193	1358789.93	434776.057	998999.378	6996438.111
7047599.291	1358732.015	434884.867	998941.49	6996546.919
7048570.878	1358653.054	434888.125	998862.536	6996550.178

7047690.573
7046525.193
7047599.291
7048570.878