2014 Regional Aerial Imagery Acquisition
Partnership Planning Meeting
October 23, 2014 – Meeting Minutes

1) Introductions

Pat Landrum asked the group to provide self-introductions and to briefly describe each agency's/entity's plans for acquiring aerial imagery and/or derivative products in 2014.

Pat then provided an overview of past regional partnership efforts, including timing, funding and contracting challenges, as well as a brief description of the 2012 acquisition partnership effort. There was also some discussion of successful north and south county 2009 and 2011 subregional partnership efforts. The local agencies involved in the most recent acquisition projects have shared their project documents with the partnership planning team to assist in the overall effort.

2) Agency Acquisition Plans

a. Funding Availability

An overview of expected regional funding availability was provided which included core contributions from SanGIS, SANDAG, USGS and UASI (SD-LECC/ & Public Safety Geodatabase). Brad Lind described how SanGIS and SANDAG have developed multi-year funding cycles to fund biennial regional acquisition projects, and encouraged local agencies to consider moving in this direction to leverage funding across agencies to support mutual local/regional goals.

b. Schedule

The proposed acquisition timeline would be spring 2014, with final product delivery in summer/fall 2014. This supports multi FY funding though this is dependent on local agency funding/contracting requirements.

3) Minimum Specifications

a. Imagery Resolution

Local jurisdictions/agencies indicated the minimum specification for each agency is 4" resolution imagery. This is consistent with their previous acquisition projects, and meets the needs for a wide range of activities to support local agency business needs. The City of El Cajon indicated that they previously acquired 3" film based imagery in 2008, but that a 4" digital product would meet their needs.

Regional agencies such as SanGIS, SANDAG, the City and County of San Diego, San Diego County water Authority, SD-LECC and U.S. Navy indicated that 6"/pixel resolution

imagery would be desirable in the urban (incorporated) and military areas, with 1 foot/1 ½ foot resolution in the unincorporated areas being acceptable. USGS indicated the 1 foot urban area imagery would meet NGA's needs.

b. Positional Accuracy

Based on information provided by local jurisdiction GIS managers, the ASPRS Class 1 Standard for large-Scale Mapping was used for the most recent acquisition projects. Additional details of project specifications can be found in the attached table.

c. Derivative products

Most local jurisdictions indicated that 2' contours would need to be part of the acquisition plan, with additional agencies emphasizing that the region should explore the potential to include the delivery of a new regional or subregional digital elevation model.

Additional standard project deliverables included survey ground control, flight acquisition plans, AT data, LiDAR, and DTM and FGDC compliant metadata. Project scoping documents also included language that all spatial data needed to be compatible with Esri ArcGIS software.

4) Contracting Options/requirements

a. USGS GPSC

Drew Decker explained the USGS GPSC process to the group, including an overview of the process used for the 2012 acquisition project. Brad Lind and pat Landrum also explained how the Joint Funding Agreement was used by their respective agencies, and displayed a sample to the group on-screen.

The idea of having two or three agencies serve as subregional "contract leads" to consolidate the number of individual joint funding agreements into a manageable group was discussed. Drew stated he would research some previous GPSC contracts where this approach may have been used, as well as projects where there was participation and funding contributions from a large number of individual entities, and whether there is a specific threshold for multi-agency GPSC contracts.

The question of GPSC contracting "fees" was discussed, with the overall sentiment being that the additional costs (approx. 5%) were worth not having to perform in-house contract management. In addition, the QA/QC process included as part of the GPSC process is a desirable component, and streamlines the process by not having to have an independent contract for that portion of the acquisition project.

b. Local Agency Contracting Needs

c. Other Options

Traditional (local/regional agency) contracting options were discussed, with several attendees pointing out that this is where the region has had difficulty in the past on imagery acquisition partnership efforts. Pat mentioned to the group that while he had not investigated whether SANDAG would be willing (and had the current capacity) to manage the project, but he could look into it if the group were to request it.

5) Next Steps

Pat will update the contact list with attendee contact information, add or correct the imagery specifications and derivative products information, and incorporate local agency project information.

Pat will develop GIS mapping that defines acquisition areas and product specifications for each jurisdiction.

Drew will contact the GPSC in order to obtain an independent cost estimate (for project planning purposes only) that outlines general costs associated with:

1) Acquisition of 6” (urban) and 1 foot (unincorporated) imagery

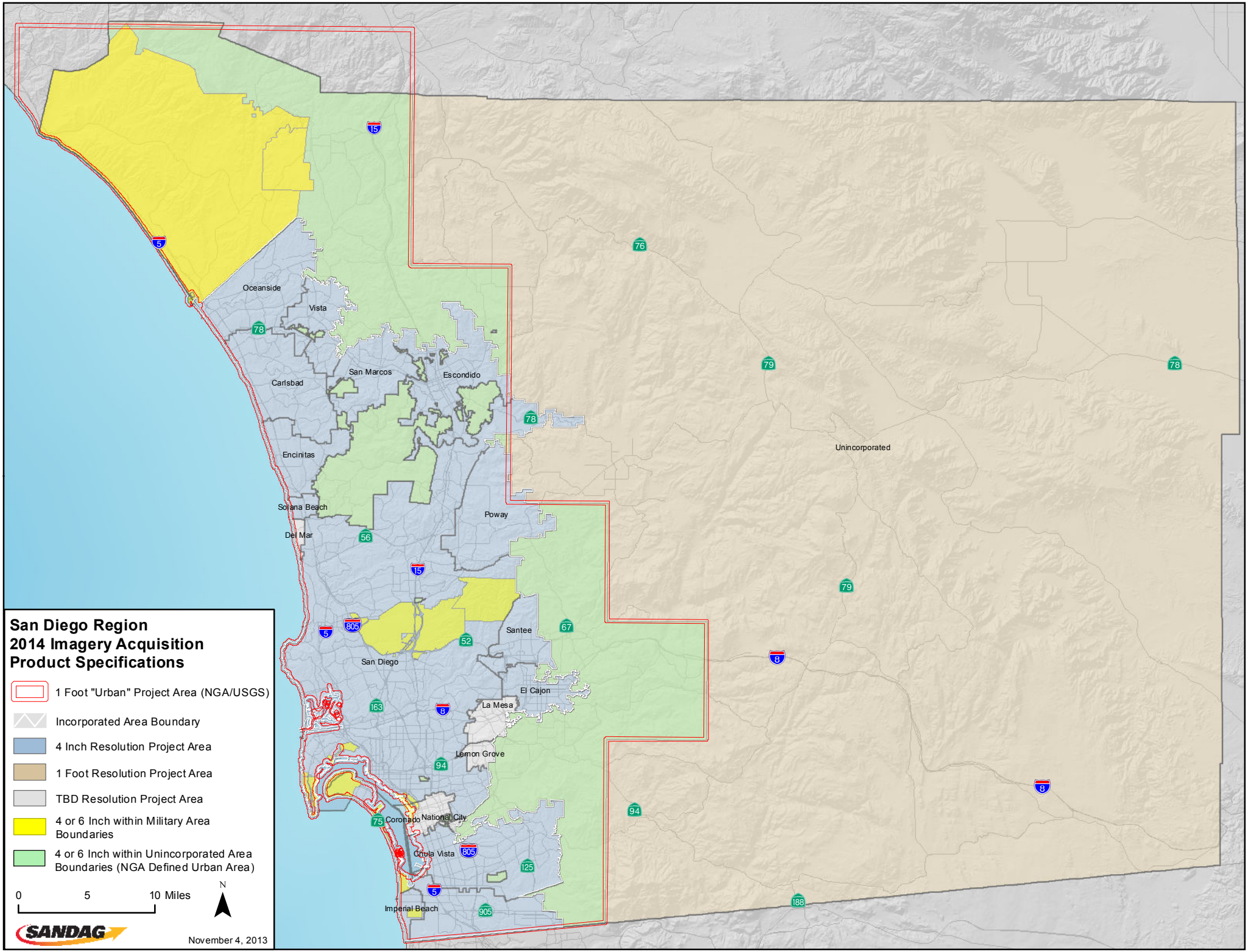
2) Cost estimate (per square mile) for a “buy-up” option for 4” imagery

3) Cost estimate (per square mile) for 2’ contours

4) Cost estimate to develop a regional or subregional digital elevation model

2014 Regional Aerial Imagery Acquisition
Interested Local Agencies and Minimum Specifications

Agency	Agency ID	Name	E-mail Address	Imagery Specifications	Derivative Products	In Attendance	Phone Number	* Net Acquisition Area (Sq Mi.)
Carlsbad	1	Karl von Schlieder	Karl.vonSchlieder@carlsbadca.gov	4"	2' Contours, Elevation Model	X	760-815-1959	39.09
Chula Vista	2	Bob Blackwelder	bblackwelder@ci.chula-vista.ca.us	4"	2' Contours			52.13
Coronado	3	Peter Fait	pfait@coronado.ca.us	4"	2' Contours			9.3
El Cajon	5	Tim Williams	timwilliams@cityofelcajon.us	4"	2' Contours	X (via phone)		14.5
Encinitas	6	Wendy Flynn	wflynn@encinitasca.gov	4"	2' Contours	X	760-633-2665	19.58
Escondido	7	Dan Hildebrand	dhildebrand@escondido.org	4"	TBD	X	760-839-4037	37.06
Imperial Beach	8	Russell Mercer	rmercer@imperialbeachca.gov	4"	2' Contours	X (via phone)	760-575-4479	3.77
Oceanside	12	Talli Carey	tcarey@ci.oceanside.ca.us	4"	2' Contours	X	760-435-5809	42.15
Oceanside	12	Saeid Noori Bushehri	snooribushehri@ci.oceanside.ca.us	4"	2' Contours	X	858-435-5817	
Poway	13	Brad Rosen	brosen@poway.org	4"		X	858-668-4452	39.12
City of San Diego	14	Andrew Larson	alarson@sandiego.gov	6"	2' Contours	X		302.45
City of San Diego	14	Mike Klein	MKlein@sandiego.gov	6"	2' Contours			
City of San Diego	14	Walter Gefrom	WGefrom@sandiego.gov	6"				
San Marcos	15	Mettja Kuna	MKuna@san-marcos.net	4"	2' Contours	X	760-744-1050 x3270	24.34
Santee	16	Cory Christensen	cchristensen@ci.santee.ca.us	4"				16.52
Solana Beach	17	Jim Greenstein	jgreenstein@cosb.org	4"				3.43
Vista	18	Chris Mitchell	cmitchell@ci.vista.ca.us	4"	2' Contours			
Vista	18	Josef Napier	jnapier@ci.vista.ca.us	4"	2' Contours	X	760-535-8505	
Vista	18	Richard Caldwell	rcaldwell@ci.vista.ca.us	4"	2' Contours			
Vista	18	Rob O'Donnell	rob@quarticsolutions.com	4"	2' Contours	X	619-246-7034	18.64
County of San Diego	19	Ross Martin	Ross.Martin@sdcounty.ca.gov	6" Urban, 1' - 1.5' Unincorporated				504.5
SanGIS		Brad Lind	blind@sangis.org	6" Urban, 1' - 1.5' Unincorporated	Elevation Model	X	858-874-7020	
SANDAG		Chung, Grace	Grace.Chung@sandag.org	6" Urban, 1' - 1.5' Unincorporated	LiDAR	X		
SANDAG		Pat Landrum	pat.landrum@sandag.org	6" Urban, 1' - 1.5' Unincorporated	LiDAR	X		
USGS		Drew Decker	ddecker@usgs.gov	1' Urban		X	619-225-6430	
San Diego County Water Authority		Matt Brown	mbrown@sdcwa.org	6" Preferred, 1' Acceptable	Elevation Model	X	858-522-6625	
Santa Fe Irrigation District		Karen Falk	kfalk@sfidwater.org	4"	2' Contours	X	858-227-5792	
SD LECC		Gavin Worden	Gavin.Worden@sd-lecc.org	TBD	TBD	X	858-495-7265	
SD LECC		Marie Kennedy	marie.kennedy@sd-lecc.org	TBD	TBD	X	808-343-5311	
Caltrans		Robert Shanaberger	robert.shanaberger@dot.ca.gov	TBD		X	619-688-2685	
UASI - Public Safety Geodatbase		Jeff Ledbetter	jeff.ledbetter@lrkimball.com	6"	2' Contours	X	619-691-1614	
Naval Facilities Engineering Command (NAVFAC)		Steve Lathrop	steven.j.lathrop@navy.mil	6"		X	619-532-1388	** 256.06
* Approximate net acquisition area calculations based on regional GIS data for areas within the NGA defined "Urban Area". Military areas (within local jurisdictions) were subtracted from total area where applicable. Final project cquisition ares will be determined based on project scoping.								
** Includes Navy and Marine Corps Facilities within San Diego Urban Area								
							Total:	**1,382.64**


Oceanside
Vista
Carlsbad
San Marcos
Escondido
Encinitas
Solana Beach
Del Mar
Poway
Unincorporated
Santee
San Diego
El Cajon
La Mesa
Lemon Grove
National City
Coronado
Chula Vista
Imperial Beach
San Diego Region
2014 Imagery Acquisition
Product Specifications
1 Foot "Urban" Project Area (NGA/USGS)
Incorporated Area Boundary
4 Inch Resolution Project Area
1 Foot Resolution Project Area
TBD Resolution Project Area
4 or 6 Inch within Military Area Boundaries
4 or 6 Inch within Unincorporated Area Boundaries (NGA Defined Urban Area)
0 5 10 Miles
N
SANDAG
November 4, 2013