

Type of Meeting: Quarterly Board Meeting
Chair: Shawn Blaesing-Thompson, Iowa DOT
Vice-Chair: Matt Boeck, Story County
Past-Chair: Jim Giglierano, Iowa DNR
Treasurer: Terry Brase, Kirkwood Community College (Josh Obrecht in training)
Secretary: Micah Cutler, Hardin & Franklin Counties (Cody Barrett in training)

IGIC QUARTERLY MEETING MINUTES - JANUARY 22, 2014
JOHNSTON PUBLIC LIBRARY, JOHNSTON, IOWA

BOARD MEMBERS:

Those members present are identified in **RED ITALICS**. Those members present on the phone in **GOLD**.

Private Enterprise:	
Joe Eckmann, ESRI	Alternate: Brian Hiller, ESRI
Joshua McNary, Aerial Services	Alternate: Jason Dolf, Aerial Services
Pete Buckingham, JCG Land Services	Alternate:
Ryan Smith, The Schneider Corporation	Alternate:
Municipal Government:	
Jessy Willadsen, City of Mason City	Alternate: Tricia Sandahl
Lawrence Hartpence, City of West Des Moines	Alternate:
Dave Croll, City of Johnston	Alternate:
County Government:	
Micah Cutler (Secretary), Hardin/Franklin Co	Alternate: Megan Moeller, Hardin/Franklin
Matt Boeck (Vice-Chair), Story County	Alternate: Jeff Miller, Dubuque Co
Rick Havel, Johnson County	Alternate: Jay Geisen, Johnson Co
Paula Lemke, Cerro Gordo County	Alternate: James Worm, Clay Co
Regional Agency:	
Chris Whitaker, Region XII COG	Alternate: Sam Parker, Region XII COG
Eric Sanders, SIMPCO COG	Alternate:

State Agency:	
Chris Ensminger, Iowa DNR	Alternate: Patrick Wilke-Brown, Iowa DNR
Jon Paoli, Iowa Homeland Security & Emergency Management Division	Alternate: Curt Sullivan
Jim Giglierano (Past-Chair), Iowa DNR	Alternate: Casey Kohrt, Iowa DNR
Shawn Blaesing-Thompson (Chair), Iowa DOT	Alternate: Brad Cutler, Iowa DOT
Federal Agency:	
Gregg Hadish, USDA-NRCS	Alternate: Jim Phillips
Karen Rawson, USDA Farm Service Agency	Alternate:
University & College:	
Dr. Anya Butt, Central College	Alternate: Ellie DuPre
Robin McNeely, Iowa State University	Alternate: Kevin Kane, ISU
Dr. Simon Geletta, Des Moines University	Alternate:
Christopher Seeger, Iowa State University	Alternate: Bailey Hanson
Community College & K-12:	
Terry Brase (Treasurer), Kirkwood Community College	Alternate:
Gail Brown, Kirkwood Community College	Alternate:

Additional Attendees:

Amy Logan, Iowa State GIS Facility; Gary Brown, GB Consulting; Josh Obrecht, Iowa State University; Jim Langtry, USGS; Joe Thompson, USDA-NRCS; Joe Drahos, Iowa DOT; Roger Patocka, Emmet County; Vic Jaras, Iowa Dept of Education; Amy Sorensen, HDR; Evan Koester, City of Waukee.

Welcome - Call Meeting to Order - Approve Agenda - Approve Minutes

Shawn Blaesing-Thompson called the meeting to order at 10:05am. Introductions were made. The agenda was reviewed. Joe Eckmann made a motion to approve the agenda. It was 2nd by Lawrence Hartpence. All members present voted aye.

The October 16, 2013, meeting minutes were reviewed. <http://goo.gl/2Fxbb2> There were no comments or changes. Anya Butt made a motion to approve the minutes. It was 2nd by Joe Eckmann. All members present voted aye.

2014 IGIC Board Meeting Dates

The meeting dates for 2014 have been set: April 16th, July 9th, and October 22nd.

Board Member Replacement

Joshua McNary is no longer working for Aerial Services and has resigned from the IGIC Board. Dave Croll made a motion that Jason Dolf, an employee of Aerial Services, be his replacement until the next IGIC elections. Angi Prunty, also with Aerial Services, would be Jason's alternate. The motions was 2nd by Paula Lemke. All members present voted aye. The next IGIC elections will be in Summer 2014. Joshua will continue to support the IGIC website on a pro bono basis.

Low Distortion Projection Update

Gary Brown, GB Consulting, gave a presentation on the Low Distortion Projection Coordinate

Systems covering the State of Iowa. Fourteen Low Distortion Projection (LDP) zones were developed that cover the entire state; boundaries were defined by county boundaries. There will be a digital distortion map for each zone with .mxd and .prj files for ESRI software. It was suggested by IGIC Board members the Iowa DOT register this projection to make it "official". A copy of this zone map can be found attached to these minutes.

National Grid

Dave Croll and Jason Dolf gave an introduction and explanation on some movement in the Emergency Management sector about the US National Grid. There is a grassroots effort to make the US National Grid the "go to" location system for emergency responders. The National Grid is an UTM grid (Universal Transverse Mercator in metric measurements) for locations. The grid coordinates indicate a location in a grid system, down to a meter.

They have given some presentations to various organizations. Talbot Brooks, with Delta State University in Mississippi, was in Iowa last fall to speak to responders. Talbot is nationally known as a speaker, advocate, trainer on this topic. They would like to get support from IGIC to support this overall effort. There is also an effort to organize a unified approach to GIS professionals, responders, "users" etc. A basic website is up and running at <http://usngiowa.org>. This is a place where information specific to Iowa will be collected.

ESRI K-12 Education

Joe Eckmann, ESRI, spoke about the K-12 statewide contract license that would be available for only "in-kind services" fee. The entire suite of ArcGIS products would be available to those interested at all grade levels. This also applies to home-schooled students and after-school programs, including 4-H and similar programs. This program is running in Missouri and Kansas, and currently in ongoing talks with Iowa and Nebraska.

Vic Jaras, Iowa Department of Education, works with the state after-school program. They have very good relationships with organizations such as 4-H, Boy Scouts, etc. He administers licenses online to school districts, and would be the person to administer a K-12 ArcGIS license if it falls into place. He would require a relationship with local colleges to train and support the educators who would use the licenses. There was a discussion about the challenges of educating and informing teachers and education majoring students about using GIS. There was general agreement that IGIC should send a formal letter of support to the K-12 Education license initiative within the next two weeks. A letter of support template could then be sent out to other organizations or departments to encourage others to do the same. Anya Butt is going to write the initial letter and send it to the IGIC Executive Committee.

Lunch

There was a break for lunch at 12:00pm followed by a Google imagery presentation.

Google

Scott Ciabattari, GeoProducts Manager for the Enterprise Solutions with Google, spoke by telephone about Google imagery. Google no longer licenses imagery from other sources, but have their own. They have a statewide 6" data imagery offering for the entire state of Iowa (entire United States, in fact). They plan regular updates every one to three years. Scott reviewed the Google imagery program. He can be reached at scooter@google.com. A summary of the specifications about the Google imagery can be found attached to these minutes.

Treasurer's Report

Terry Brase, IGIC Treasurer, was unable to attend the meeting in person. He submitted a Treasurer's Report for the period from July 1, 2013 to January 31, 2014. It is attached to the end of these minutes. The current balance is -\$2,686.44. IGIC is waiting for USGS grant funds paid to ISU in the amount of \$35,000.

3D Elevation Program (3DEP)

Jim Giglierano, Iowa DNR, reported there is a federal program to collect elevation data for the entire country. The USGS is the lead agency for the program. According to the current plan, data would begin to be collected in 2015. Iowa has already collected this information (LiDAR) so it is unclear where Iowa falls into the rankings for data collection. The idea goal is get data collection into an 8-year cycle. Iowa collected data at 1.4m resolution. The national

program would be at 0.7m resolution. There is a public comment period through the 2nd week of February.

MAGIC Grant

Anya Butt reported that Herb Kuehne sent her the draft for the questionnaire. She is going to have a undergraduate student work on it. Anya will be working with Paula Lemke on reporting to MAGIC and getting any necessary extensions for the grant.

IGIC Address Survey

Amy Logan reported on the results for the IGIC Address survey. There were 124 responses to the state, with good representation across the state.

The results of the survey can be found at the following link:

<http://www.iowagic.org/wp-content/uploads/2014/01/Address-Points-Survey-Summary.pdf>

Committee Reports

GIS 911 Committee

Jon Paoli reported that they have been meeting about the NENA standards. Communications, 911 and GIS are now in the same division at Emergency Management & Homeland Security. They are going to be in a planning cycle to determine how to apply the NENA standards in Iowa. Outreach will be a big component of this.

Outreach/Clearinghouse Committee

Casey Kohrt reported that the GIS Clearinghouse and metadata website are going to merge within the next year. Patrick Wilke-Brown is submitting paperwork to renew six domain names for the clearinghouse (IowaGIS.org) and the main IGIC website (IowaGIC.org).

Website Committee

Shawn Blaesing-Thompson and Josh Obrecht are the primary content managers for the IGIC website. If you have new content or any problems, contact them.

MAGIC Committee

Paula Lemke reported that the MAGIC Symposium is coming up from April 27th - May 1st, 2014. They are still looking for contributors to the 10-minute short sessions, with a focus on social media, versioning, and crowdsourcing.

Paula mentioned that Kevin Kane has had to step down from participating within MAGIC and she is looking for someone interested in participating in the MAGIC Consortium. There are monthly meetings that you can participate in by conference call.

Conference Committee

Anya Butt reported that the group met at Pella to review the site of the 2015 conference. Jon Paoli and Paula Lemke are going to be contacting vendors. The conference will be April 6-9, 2015.

CIAO

CIAO met on October 31, 2014, at the Johnston Library. There was a good turnout of around 25 people. The next meeting will some time this Spring.

Eastern Iowa Users Group

There were around 50 people who attended the meeting at Wikiup Learning Center. The next meeting will likely be in April 2014.

ICIT (Iowa Counties Information Technology)

Micah Cutler and Matt Boeck reported on the GIS Training Workshops that have been offered to county employees. They have been using the GIS lab at Iowa State University, thanks to the relationships built within IGIC. They are going to be offering their next training at Kirkwood Community College. ICIT has also begun to create short training videos on specific GIS tasks and posting them on ICIT's new created YouTube channel. Chris Seeger also mentioned that the ISU Extension office is creating monthly Task Sheets that are available on their website.

Discussion Topics

Ag Adjustment

Ryan Smith gave an update on the ag adjustment legislation from last year. The CSR2 layer has just been released. This is an updated soil layer where the soil boundaries haven't changed but values have been adjusted with spots and lines removed. There will be more uniformity across the state so that a certain soil CSR value will be the same across county lines.

GPS Equipment

Chris Seeger has had a couple of requests for advice regarding GPS equipment. He is seeing organizations being pushed to buy rather expensive equipment where the accuracy requirements didn't warrant it. Less expensive equipment would suffice. His office doesn't always have the expertise to advise them and wondered what resources IGIC might have.

Snowplow Mapping

The Iowa DOT snowplow map has now been pushed out to the public. That web service can be consumed and put on other maps. The DOT is working on combining that with the road conditions map. The road conditions are now being reported by the road crew in the DOT trucks. This is the first year with this system.

Pictometry Training

Paula Lemke has been doing Pictometry training in Cerro Gordo County. They've had a good mix of participants, roughly 25 people per session for three sessions. You can view the public map at: <http://goo.gl/ZRJDmD>

Elections

Now is the time to begin thinking of running or continuing on the IGIC Board. The slate of candidates should be set by the Spring 2014 meeting on April 16, 2014. Elections will then occur prior to the July 2014 meeting.

Next Meeting

The next quarterly meeting is scheduled for April 16, 2014.

Adjourn

Paula Lemke made a motion to adjourn the meeting and it was 2nd by Anya Butt. All members present voted aye. The meeting was adjourned at 2:35pm.

Respectfully submitted,
Micah Cutler
IGIC Secretary

Register Report
7/1/13 Through 1/31/14

1/21/14

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Date	Account	Num	Description	Memo	Category	Clr	Amount
			BALANCE 6/30/13				35,740.16
8/20/13	Checking	787	A+ Conferencing		administrative	R	-29.27
8/21/13	Checking	DEP	Uofl		Education - Revenue	R	19,000.00
9/6/13	Checking	DEP	S Various Payees	RegOnLine 1651...	Conference - Reve...	R	58.76
				Buena Vista Univ...	Education - Revenue	R	500.00
				Mt Mercy Univers...	Education - Revenue	R	500.00
				Iowa State Unive...	Education - Revenue	R	18,000.00
				Northeast Iowa C...	Education - Revenue	R	600.00
				Dordt College	Education - Revenue	R	550.00
				Cash	Conference - Reve...	R	10.00
9/24/13	Checking	788	ESRI	2013-2014 license	Education - Exp	R	-63,000.00
10/1/13	Checking	DEP	S Various Colleges In ES...	Indian Hills	Education - Revenue		1,100.00
				Buena Vista Univ...	Education - Revenue		500.00
10/23/13	Checking	789	Jon Paoli	Reimbursement f...	Conference-Exp		-86.50
10/23/13	Checking	790	A+ Conferencing	3266561	administrative		-13.60
10/23/13	Checking	791	ESRI	Addt Tech Suppo...	Education - Exp		-1,500.00
10/23/13	Checking	DEP	Uofl	addt Tech support	Education - Revenue		1,000.00
10/31/13	Checking	DEP	S Various Payees	William Penn	Education - Revenue		550.00
				Hawkeye CC	Education - Revenue		550.00
10/31/13	Checking	792	Custom Meeting Plann...	MAGIC Exhibit	Outreach		-250.00
11/8/13	Checking	DEP	S Various Payees	UNI	Education - Revenue		17,000.00
				Central	Education - Revenue		1,550.00
1/17/14	Checking	793	Iowa State University		CAPGrant - Exp		-30,000.00
1/17/14	Checking	794	Iowa State University		CAPGrant - Exp		-5,000.00
1/17/14	Checking	795	A+ Conferencing	3321807	administrative		-15.99
			TOTAL 7/1/13 - 1/31/14				-38,426.60
			BALANCE 1/31/14				-2,686.44
			TOTAL INFLOWS				61,468.76
			TOTAL OUTFLOWS				-99,895.36
			NET TOTAL				-38,426.60

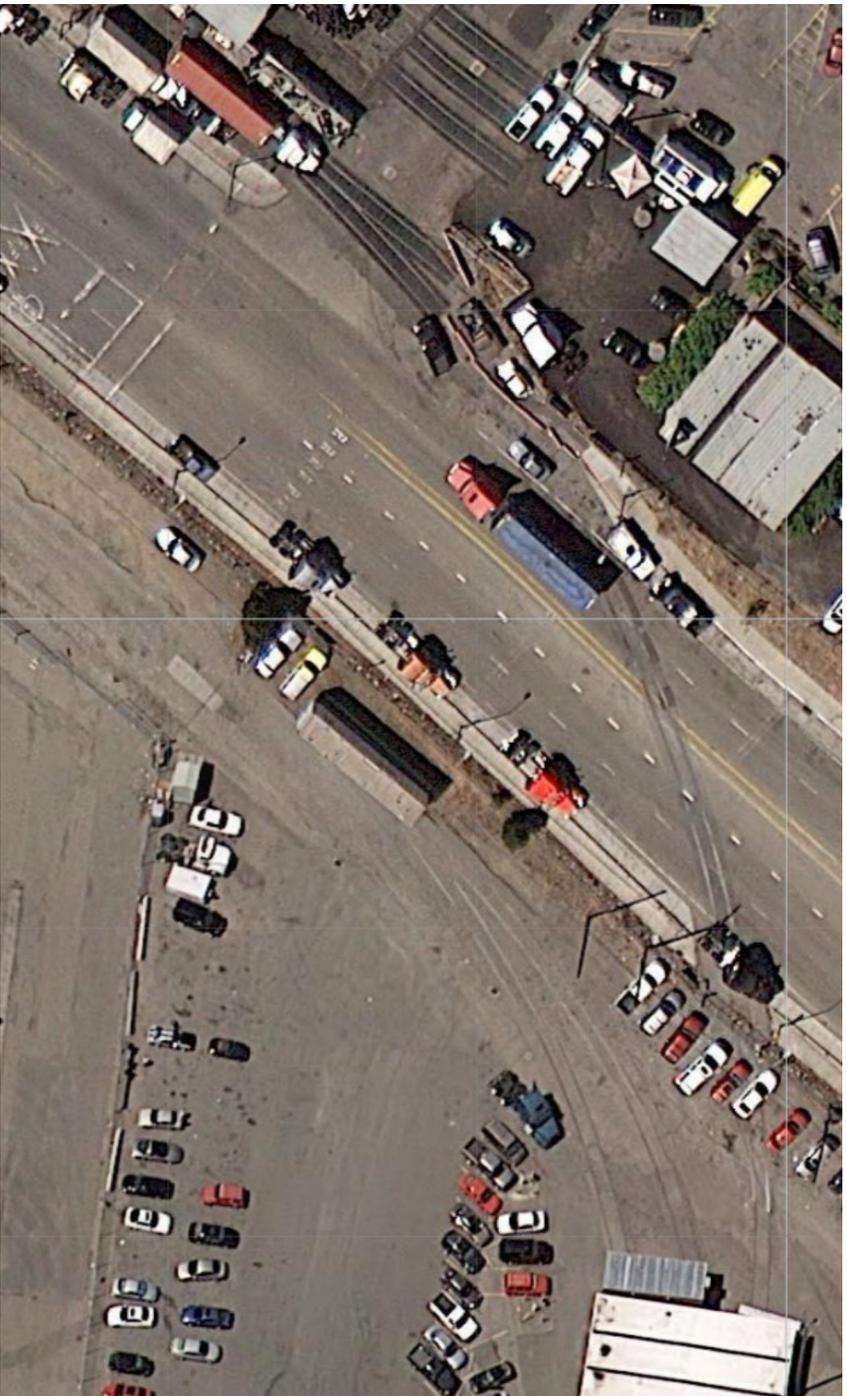
Itemized Categories - 1st&2nQtr 2013-14

7/1/13 Through 12/31/13

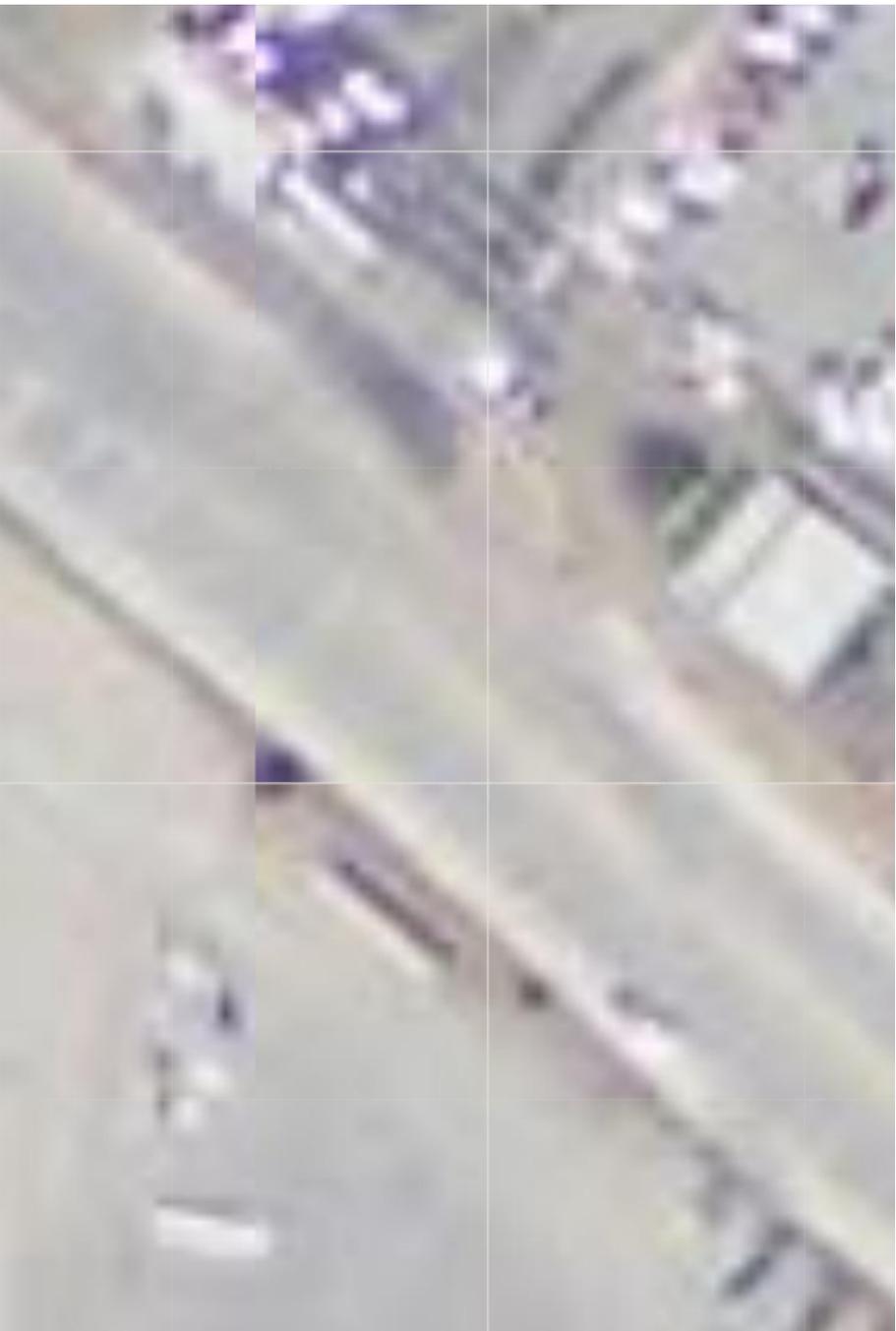
1/21/14

Cat/Sub	Date	Account	Num	Description	Memo	Clr	Amount
INCOME							
Conference - Reve...	9/6/13	Checking	DEP	S Various Payees	RegOnLine 1651...	R	58.76
					Cash	R	10.00
TOTAL Conference...							68.76
Education - Revenue							
	8/21/13	Checking	DEP	Uofl		R	19,000.00
	9/6/13	Checking	DEP	S Various Payees	Buena Vista Univ...	R	500.00
					Mt Mercy Univers...	R	500.00
					Iowa State Unive...	R	18,000.00
					Northeast Iowa C...	R	600.00
					Dordt College	R	550.00
	10/1/13	Checking	DEP	S Various Colleges In ES...	Indian Hills		1,100.00
					Buena Vista Univ...		500.00
	10/23/13	Checking	DEP	Uofl	addt Tech support		1,000.00
	10/31/13	Checking	DEP	S Various Payees	William Penn		550.00
					Hawkeye CC		550.00
	11/8/13	Checking	DEP	S Various Payees	UNI		17,000.00
					Central		1,550.00
TOTAL Education - ...							61,400.00
TOTAL INCOME							61,468.76
EXPENSES							
administrative							
	8/20/13	Checking	787	A+ Conferencing		R	-29.27
	10/23/13	Checking	790	A+ Conferencing	3266561		-13.60
TOTAL administrative							-42.87
Conference-Exp							
	10/23/13	Checking	789	Jon Paoli	Reimbursement f...		-86.50
TOTAL Conference...							-86.50
Education - Exp							
	9/24/13	Checking	788	ESRI	2013-2014 license	R	-63,000.00
	10/23/13	Checking	791	ESRI	Addt Tech Suppo...		-1,500.00
TOTAL Education - ...							-64,500.00
Outreach							
	10/31/13	Checking	792	Custom Meeting Plann...	MAGIC Exhibit		-250.00
TOTAL Outreach							-250.00
TOTAL EXPENSES							-64,879.37
OVERALL TOTAL							-3,410.61

Google 6 inch Imagery

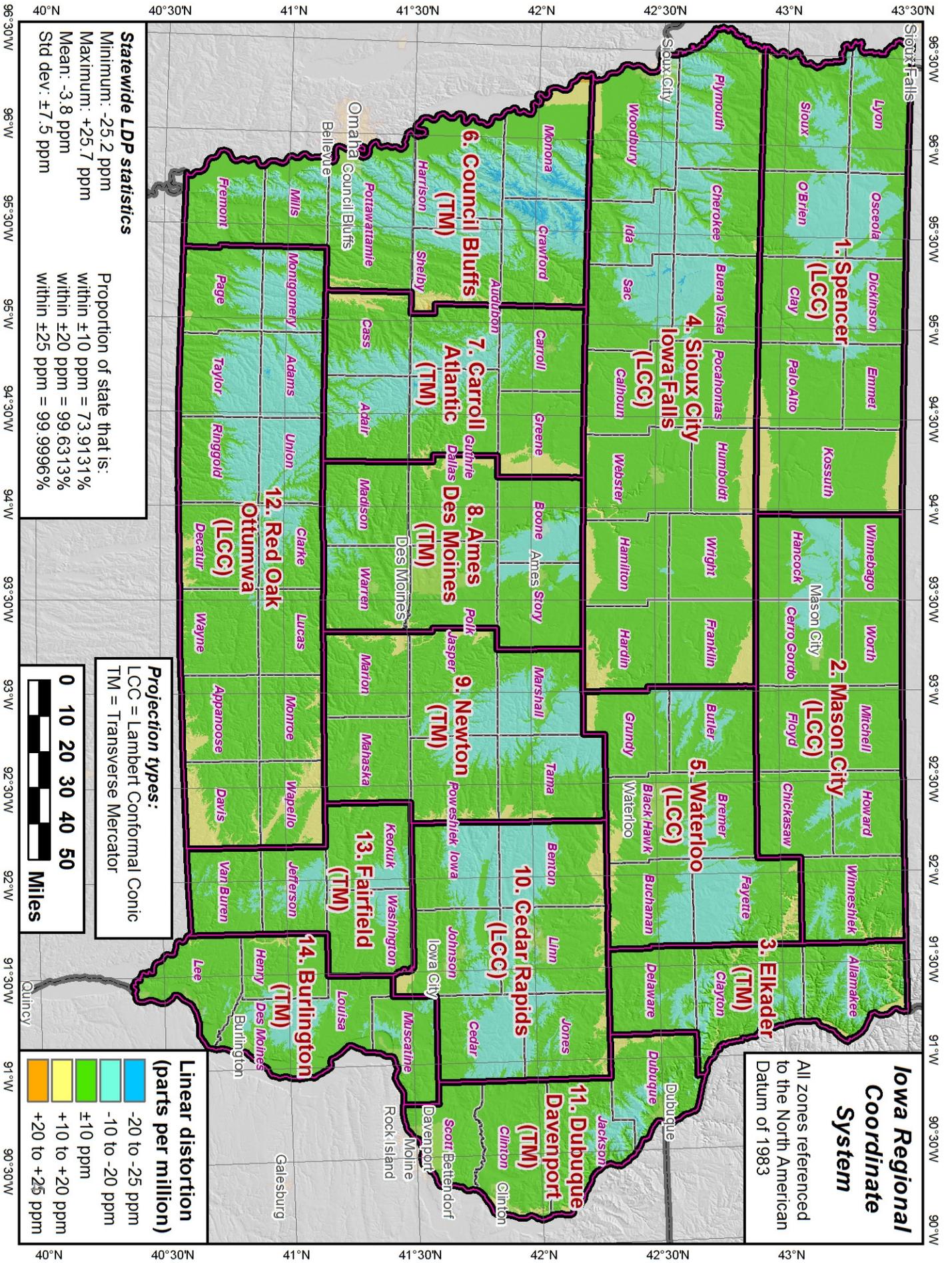


NAIP 1 Meter Imagery



IMAGERY PRODUCT SPECIFICATIONS	
IMAGERY RESOLUTION	15 CM RESOLUTION
POSITIONAL ACCURACY (CE90)	1 METER *
SPECTRAL BANDS	BLUE, GREEN, RED. (CIR LICENSING POSSIBLE AS ADD-ON)
PROCESSING	ORTHORECTIFIED AND MOSAICKED
CLOUDS	<1 PERCENT
BIT DEPTH	8 BITS PER PIXEL (SCALED FROM 12-BIT SOURCE)
SNOW AND ICE	ONLY PERMANENT SNOW OR SNOW ABOVE TIMBERLINE
SUN ANGLE	>=30 DEGREES
SMOKE / HAZE	< 1 PERCENT – DETAIL IS VISIBLE
LEAF ON / OFF	MIX OF BOTH
FORMAT	JPEG2000
TILING	4,096 BY 4,096 PIXELS
COORDINATE SYSTEM	GEOGRAPHIC
*NOTE: ACCURACY WILL ACHIEVE 1-METER CE90 IN MOST AREAS. ACCURACY MAY NOT MEET 1-METER CE-90 IN AREAS OF SIGNIFICANT RELIEF DUE TO DIGITAL ELEVATION MODEL RELATED ERRORS.	

DSM/DTM PRODUCT SPECIFICATIONS (LICENSING POSSIBLE AS ADD-ON)	
POST SPACING	80CM
FORMAT	GEOTIFF
TILING	12K POSTINGS BY 12K POSTINGS
COORDINATE SYSTEM	UTM

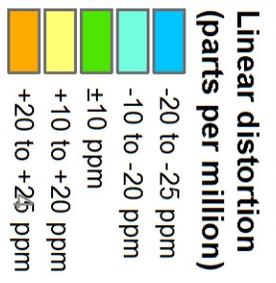


Iowa Regional Coordinate System
 All zones referenced to the North American Datum of 1983

Statewide LDP statistics
 Minimum: -25.2 ppm
 Maximum: +25.7 ppm
 Mean: -3.8 ppm
 Std dev: ±7.5 ppm

Proportion of state that is:
 within ±10 ppm = 73.9131%
 within ±20 ppm = 99.6313%
 within ±25 ppm = 99.9996%

Projection types:
 LCC = Lambert Conformal Conic
 TM = Transverse Mercator



1. Spencer (LCC)

4. Sioux City Iowa Falls (LCC)

6. Council Bluffs (TM)

7. Carroll Atlantic (TM)

8. Ames Des Moines (TM)

9. Newton (TM)

10. Cedar Rapids (LCC)

13. Fairfield (TM)

14. Burlington (TM)

11. Dubuque Davenport (TM)

5. Waterloo (LCC)

2. Mason City (LCC)

12. Red Oak Ottumwa (LCC)

3. Elkader (TM)