



Michael Shillenn <mshillenn@quantumspatial.com>

Fwd: Proposed Massachusetts Tiling Scheme

1 message

Ryan Griffin <rgriffin@quantumspatial.com>

Tue, Nov 10, 2015 at 10:55 AM

To: Michael Shillenn <mshillenn@quantumspatial.com>, Tobin Guthrie <tguthrie@quantumspatial.com>, Adam Pike <apike@quantumspatial.com>

The thread below is what I have detailing our discussions regarding the formatting of the tile index.

Thanks,



Ryan Griffin

LiDAR Technical Lead

523 Wellington Way; Lexington, KY 40503-1394

P: 859-550-2943

----- Forwarded message -----

From: **Michael Shillenn** <mshillenn@quantumspatial.com>

Date: Tue, Jul 14, 2015 at 3:15 PM

Subject: Re: Proposed Massachusetts Tiling Scheme

To: Ryan Griffin <rgriffin@quantumspatial.com>, Tobin Guthrie <tguthrie@quantumspatial.com>

Cc: Adam Pike <apike@quantumspatial.com>

Guys

Fine work getting to understanding and consensus with the client. This is good PM and technical support!!! Well done!!

M



Michael Shillenn CP

Vice President

1055 Andrew Drive, Suite D

West Chester, PA 19380

P:(610) 344-0890

M:(610) 724-7661

Confidentiality Notice: This e-mail message, including any attachments, is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message.

On Tue, Jul 14, 2015 at 12:31 PM, MacGaffey, Neil (ITD) <neil.macgaffey@state.ma.us> wrote:

Hi Ryan – Excellent!

Thank you,

Neil

Neil MacGaffey

MassIT-MassGIS

Office: 617-619-5641



From: Ryan Griffin [mailto:rgriffin@quantumspatial.com]
Sent: Tuesday, July 14, 2015 12:29 PM
To: MacGaffey, Neil (ITD)
Cc: Tobin Guthrie; Emmett, Patrick; Michael Shillenn; Adam Pike
Subject: Re: Proposed Massachusetts Tiling Scheme

Hi Neil,

It will not be an issue at all to use the directional suffix designations. We will make that change on our end.

As for the transition between the QL1 and QL2 data, there will not be a stair step where the two data types meet. We have methodology in place to vertically match and feather the datasets together, resulting in a smooth transition from one density to the other. Let us know if you have any other questions or need further clarification and we'll be happy to help.

Thanks,



Ryan Griffin

LiDAR Technical Lead

Photo Science, a Quantum Spatial Company

523 Wellington Way; Lexington, KY 40503-1394

P: 859-550-2943

On Tue, Jul 14, 2015 at 12:08 PM, MacGaffey, Neil (ITD) <neil.macgaffey@state.ma.us> wrote:

Hi Tobin – thanks for the info below. I now understand about the “prefix” designation in the tile names and what you have below is great. Also, we would like to have the "A, B, C, D" suffix designations replaced with NW, NE, SW, SE following the pattern in my graphic below.

On another matter: well, if I had it to do over again, I'd have had someone produce the tile grid and based the QL1 project area on full quarter tiles: sigh. Absent that, I've a question about quarter tiles that contain both QL1 and QL2 data. Will there be a “stair step” effect going from the QL1 to the QL2 data area or will there be a “feathered” or “sloped” transition? We would like to avoid the stair step because it yields messy results in the DEM and those results result in inquiries from users.

Thank you,

Neil

Neil MacGaffey

MassIT-MassGIS

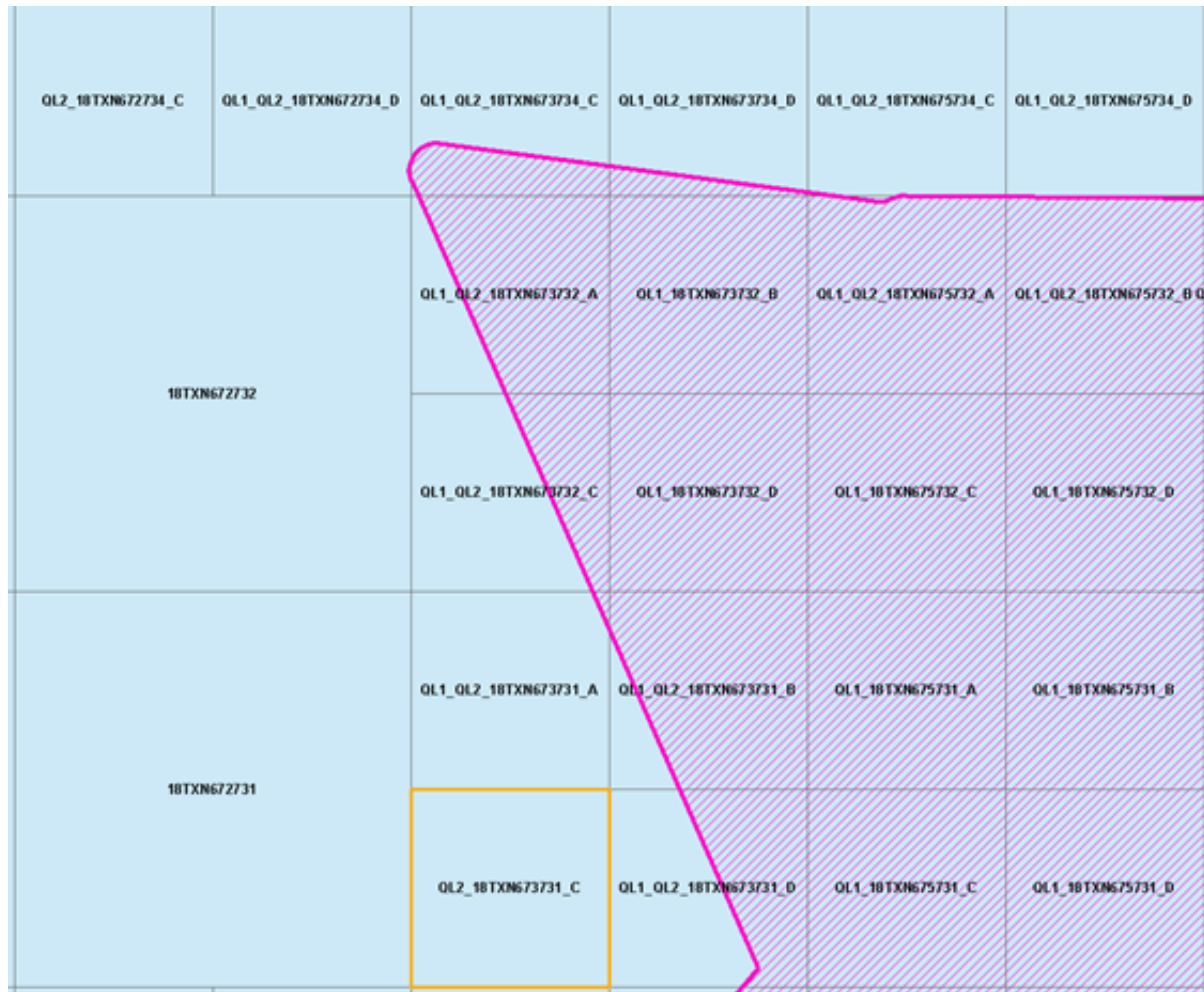
Office: 617-619-5641



From: Tobin Guthrie [mailto:tguthrie@quantumspatial.com]
Sent: Monday, July 13, 2015 5:32 PM
To: MacGaffey, Neil (ITD)
Cc: Emmett, Patrick; Michael Shillenn; Adam Pike; Ryan Griffin
Subject: Re: Proposed Massachusetts Tiling Scheme

Hi Neil,

Below is a screenshot of the proposed tiling scheme naming conventions. To indicate the positioning of the 750m tile "within" the 1500m tile we used "A, B, C, D" as a suffix but we could just as easily use "NW, NE, SW, SE". The prefix of QL1, QL2, or QL1_QL2 is used to indicate the data quality level contained by the tile. The orange tile at the bottom of the screenshot is an example of a "QL2 only" 750m tile. I can set up a conference call if this is still not clear.



Thanks,

Tobin



Tobin Guthrie PMP

Program Manager -

Federal & Environmental

421 SW 6th Ave - Suite 800, Portland, OR 97204

P: (503) 505-5108

[LinkedIn Profile](#)

On Mon, Jul 13, 2015 at 1:35 PM, MacGaffey, Neil (ITD) <neil.macgaffey@state.ma.us> wrote:

Hi Pat – With one suggested addition (clarification?) and one question, the proposed index and naming scheme are what we had envisioned. The one area we were not quite sure on how the names would work is that for the QL1 tiles. As noted below the individual QL1 tiles will be one quarter of the 1500m x 1500m QL2 tiles. Perhaps this is intended or I have not fully understood the info below, but it would be VERY helpful if the QL1 tile names could indicate their position

inside the QL2 tile. So if the QL2 tile name is 18TXM123456, then the component QL1 tiles would be named:

18TXM123456_NW

18TXM123456_NE

18TXM123456_SW

18TXM123456_SE

Thus the QL1 tiles would be inside the QL2 tiles as follows (so the four tiles below would collectively be the QL2 tile 18TXM123456):

18TXM123456_NW	18TXM123456_NE
18TXM123456_SW	18TXM123456_SE

From reading below, I think this is still consistent with what Tobin is describing.

I am confused by the reference to, "...a prefix for the 750m tiles indicating what QL level is contained in that tile." Does this mean that a QL1 quarter tile will exist even if there is no QL1 data in a quarter tile and that you would know from the tile naming scheme that even tho it was a quarter tile it only contains QL2 data?

If this opens a whole conversation, then can I suggest that we might sort through the details most efficiently in a phone call?

Thank you,

Neil

Neil MacGaffey

MassIT-MassGIS

Office: 617-619-5641



From: Emmett, Patrick [mailto:pemmett@usgs.gov]
Sent: Monday, July 13, 2015 10:32 AM
To: MacGaffey, Neil (ITD)
Cc: Daniel Walters; Timothy W Saultz
Subject: Fwd: Proposed Massachusetts Tiling Scheme

Neil,

Is this tiling scheme acceptable for your use?

Pat

----- Forwarded message -----

From: **Tobin Guthrie** <tguthrie@quantumspatial.com>
Date: Fri, Jul 10, 2015 at 12:51 PM
Subject: Proposed Massachusetts Tiling Scheme
To: Patrick <pemmett@usgs.gov>
Cc: Michael Shillenn <mshillenn@quantumspatial.com>, Adam Pike <apike@quantumspatial.com>, Ryan Griffin <rgriffin@quantumspatial.com>

Hi Pat,

Attached is our proposed tiling scheme for Massachusetts. Also attached is the QL1 AOI for reference. This tiling scheme has the 1500m tiles broken into four 750m tiles anywhere that the tile is intersected by the QL1 boundary. The tile names are based on the US National Grid Standard, with a prefix for the 750m tiles indicating what QL level is contained in that tile.

If this format is acceptable, we will proceed and also add in another attribute field for "Quality_Level" which will allow easy sorting/identifying of tiles with the different quality levels.

Please let me know if there are any questions or concerns.

Thanks,

Tobin



Tobin Guthrie PMP

Program Manager -

Federal & Environmental

421 SW 6th Ave - Suite 800, Portland, OR 97204

P: (503) 505-5108

[LinkedIn Profile](#)

--

Patrick F. Emmett
United States Geological Survey
National Geospatial Technical Operations Center
Commercial Partnership Team-GPSC
1400 Independence Road - MS 666
Rolla, MO 65401
[573-308-3587](tel:573-308-3587)
[573-308-3810](tel:573-308-3810) FAX

How am I doing? Tell my boss. - tsaultz@usgs.gov

The information contained in this email is procurement sensitive.
It must not be shared with anyone outside the Government.
It may only be shared with those Government employees with a demonstrated
"need to know". If you have received this email in error, please notify the sender,
delete and DO NOT distribute.