



3 August, 2009

State of Idaho Technical Working Group

RE: Seamless mosaic for 2009 Idaho NAIP

Introduction

This is a further update focused on the seamless mosaic proposal and its details. It clarifies some points that were not well-explained in the previous version (approximately 5 June, 2009). It also entails a slight reduction in pricing.

A reminder: this can be funded yet in calendar year 2009 – or in 2010. Obviously, Surdex would like to know as early as possible, since the data will largely be on-line until September/October. It would have to be restored from archive after that point and would delay production and delivery.

The seamless mosaic is databased in a proprietary format. Thus, part of our effort in delivering this to the State includes prepping the data for delivery – especially if the option for data in the Idaho State TM is required. Note that the existence of the seamless data is a by-product of our production approach – not used by all contractors, not required by the USDA, and not a deliverable to the USDA.

Seamless Mosaic Options

Our proposal to the State includes the following options:

1. Seamless, 4-band mosaic in UTM (~3,600 tiles).
2. Seamless 4-band mosaic in the Idaho State TM.
3. Either mosaic can also be delivered as separate color & CIR in compressed or uncompressed format.

Each mosaic will have the following general characteristics:

1. GeoTIFF format with separate TFW files.
2. GeoTIFF will be tiled TIFF (128x128) with internal pyramids.
3. Nominal 8,192 x 8,192 pixels in size (will include fractional tiles on the boundary).

Seamless Mosaic Pricing

The pricing breakout on this is:

Item	Price	Comments
Item 1: Seamless mosaic in UTM	\$30,000	4-band format
Item 2: Seamless mosaic in ID TM	\$35,000	4-band format
Option for Item 1 or 2	\$5,000	Either seamless mosaic in separated color & CIR, compressed or uncompressed

The price of a single set of hard drives is included in the proposed pricing. Hard drives will become the property of the State after receipt. All data will be delivered “as is”. Surdex will entertain making corrections to the data at our discretion. However, all corrections made to resolve inspection call-outs by the USDA will be incorporated into updated (replacement) tiles at a later date.



The State will retain limited rights to the data, with Surdex Corporation retaining full rights. This means the State can undertake unlimited distribution (including web serving). This only precludes the sale of the data (or derivatives thereof) to any other entity. It also precludes the conveyance of the data to a commercial web service (eg: Google, Microsoft, ESRI, etc.). Note that if a single agency within the State purchases the data, it can be provided to all others within the State if that agency is willing to do so.

Note that since our data is in 4-band format, it actually costs us a bit to separate out the color and CIR into separate layers of data. The separation into color and CIR is a script-driven process, with some QC involved to ensure that it works correctly. For the incremental cost of \$5,000 the State would take possession of 4-band, color, and CIR layers in either compressed or uncompressed format.

Craig W. Molander

A handwritten signature in blue ink that reads "Craig W. Molander".

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