**Research on Avian Protection Project ([rapp.biology.ualberta.ca](rapp.biology.ualberta.ca))**

**Oil Sands Bird Contact Monitoring Program (OSBCMP)**

February 2014

Protocol: Bar code creation and printing

### A. Making the bar codes:

1. Create the QR code for the station ID
    a. Go to this website: https://qrcode.kaywa.com/ (or any other website that generates a QR code based on a line of text).
    b. Above the text bar select *More* and then *Text*.
    c. Enter the name of the station exactly as you want it to show up on the tablets.
    d. Select *Generate*.
    e. Right click on the new QR code in the white box and select *Save image as* (note be sure to save it as the station ID name)
2. Create the remainder of the sign
    a. Open a powerpoint file (if you open the template UA sent it already has the specifications you need)
        i. Go to *Design* and then *Page Setup* and change the page size to the size you want the final sign to be, we used 8 in x 8 in.
        ii. Insert a text box and enter the name of the station ID, make the font at least 28 pt.
    b. Select *Insert* and *Picture* and then choose the .png file of the qr code that you just generated.
    c. Save the newly created ppt file as a pdf; it's now ready to send as a sign.
    d. Note: When you use a template and you generate several signs, be sure to replace both the qr code and the wording in the text box every time. It's also a good idea before sending the signs to be printed to take a tablet or smart phone and scan, using either the monitoring forms or any qr reader ap, the bar code you've just generated to ensure it matches the station name on the file.

### B. Printing the bar codes

Note: if you plan to use another material for the signs or another printer it may be worth while to generate a proof first to ensure you have enough resolution printed to scan the code properly.

Material: Aluminum Composite (or something more heavy duty)
Size: 8 in x 8 in
Printer: Sign Source Signs & Graphics ([http://www.signsourcedirect.com/](http://www.signsourcedirect.com/))
Contact person:
Tim Der | General Manager
15625-112 Ave | Edmonton, AB. | T5M2V8
p. 780.421.1451 | f. 780.488.1461 | c. 780.932.1451
www.SignSourceDirect.com