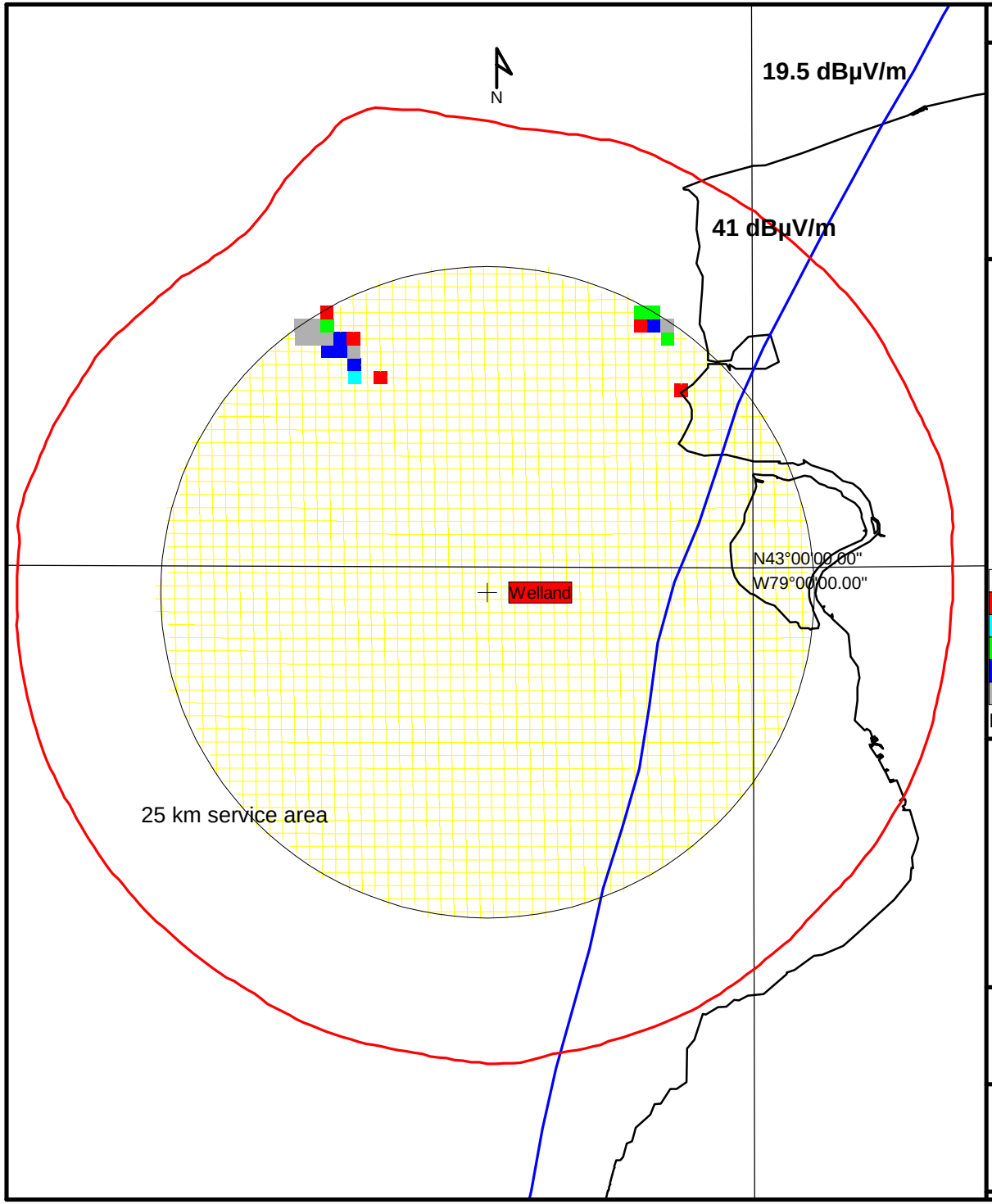

SIGNAL™: wskgdt_move_welland_ca_DU_proposed_9010.map

Prop. model: Longley-Rice v1.2.2
Time: 10.0% Loc.: 50.0%
Prediction Confidence Margin: 0.0dB
Climate: Continental Temperate
Land use (clutter): none
Atmospheric Abs.: none
K Factor: 1.333
RX Antenna - Type: ADAPTIVE
Height: 9.1 m AGL Gain: 10.00 dBd

Sites

Site: Proposed WSKGDT
N42°03'40.00" W75°56'45.50" 521.0 m
WSKGDT Tx.Ht.AGL: 282.0 m Total ERPd: 16.99dBkW
Grp: 2 omni-horizontal/0.0° 641.0000 MHz

Site: Welland, ON
N42°59'00.00" W79°15'00.00" 174.0 m
Welland * Tx.Ht.AGL: 100.0 m Total ERPd: -3.98dBkW
Grp: 1 omni-horizontal/0.0° 641.0000 MHz

C/(I+N) at remote for the single desired base station

>	19.5 dB	
	18.0 to	19.5 dB
	17.0 to	18.0 dB
	16.0 to	17.0 dB
	15.0 to	16.0 dB
<	15.0 dB	

Display threshold level: -200.0 dBmW

Notes

Plot of the C(I+N) ratio of Class A CH 42 Welland, ON, CA as impacted by proposed modifications to WSKG-DT Binghamton, NY using Longley-Rice Model with Welland service as F(50,90) and Binghamton IX as F(50,10).
US FCC Type service and IX contours also shown.
prepared by
Larry H. Will, P.E.
Glen Mills, PA 19342

KILOMETERS
-5 0 15

LONGLEY RICE STUDY

WELLAND ON CH 42

Figure 3 1/26/2004