

Appendix 3. Sensitivity analysis of metrics used to assess adaptive capacity among North Slope communities. This file is available online (Web Table 3). These are openly available at Open Science Framework at <https://osf.io/gzk4f/>, reference number DOI 10.17605/OSF.IO/GZK4F.

Table A3.1 Original framing, indicator averages.

	Geography	Ecosystems	Physical Infrastructure	Human Capital	Social and Cultural Capital	Financial Capital	Institutional Capital	Total score	Rank	General group
Anaktuvuk Pass	2.2	5.3	4.2	6.7	3.8	4.7	4.0	30.8	6th	3
Atqasuk	3.8	5.0	3.2	5.7	5.6	5.3	2.7	31.2	7th	3
Kaktovik	3.0	4.7	3.0	2.0	3.6	3.0	2.7	21.9	2nd	2
Nuiqsut	3.0	5.7	2.3	6.7	2.8	1.3	1.7	23.5	4th	2
Point Hope	4.0	1.7	3.5	4.0	4.2	3.0	1.7	22.0	3rd	2
Point Lay	5.8	2.0	5.2	5.7	5.2	5.0	4.3	33.2	8th	3
Utqiagvik	1.4	3.3	1.3	2.0	3.8	2.3	1.0	15.2	1st	1
Wainwright	4.4	3.3	3.7	3.0	4.2	3.0	3.0	24.6	5th	2

Table A3.2 Sensitivity framing, indicator averages.

	Geography	Ecosystems	Physical Infrastructure	Human Capital	Social and Cultural Capital	Financial Capital	Institutional Capital	Total score	Rank	Original rank	General group	Original general group
Anaktuvuk Pass	2.2	5.3	4.2	7.0	3.8	3.0	4.0	29.5	6th	6th	3	3
Atqasuk	3.8	5.0	3.2	5.7	5.8	3.7	2.7	29.8	7th	7th	3	3
Kaktovik	3.0	4.7	2.8	2.0	4.2	4.0	2.7	23.4	3rd	2nd	2	2
Nuiqsut	3.0	5.7	2.3	6.7	3.0	1.3	1.7	23.7	4th	4th	2	2
Point Hope	4.0	1.7	3.2	4.0	4.4	3.7	1.7	22.6	2nd	3rd	2	2
Point Lay	5.8	2.0	5.0	5.7	5.4	3.3	4.3	31.5	8th	8th	3	3
Utqiagvik	1.4	3.3	1.2	2.0	4.2	3.0	1.0	16.1	1st	1st	1	1
Wainwright	4.4	3.3	3.7	3.0	5.0	4.0	3.0	26.4	5th	5th	2	2

Table A3.3 Sensitivity framing, sum of domain ranks.

	Geography	Ecosystems	Physical Infrastructure	Human Capital	Social and Cultural Capital	Financial Capital	Institutional Capital	Total score	Rank	Original rank	General group	Original general group
Anaktuvuk Pass	2	7	7	8	2	2	7	35	5th	6th	3	3
Atqasuk	5	6	4	5	8	5	4	37	6th	7th	3	3
Kaktovik	3	5	3	1	3	7	4	26	3rd	3rd	2	2
Nuiqsut	3	8	2	7	1	1	2	24	2nd	2nd	2	2
Point Hope	6	1	4	4	5	5	2	27	4th	4th	2	2
Point Lay	8	2	8	5	7	4	8	42	8th	8th	3	3
Utqiagvik	1	3	1	1	3	2	1	12	1st	1st	1	1
Wainwright	7	3	6	3	6	7	6	38	7th	5th	2	2

Table A3.4 Sensitivity analysis.

	Average of social and cultural and institutional	Total score	Sum of social and cultural and institutional indicators/8	Total score	Original rank
Anaktuvuk Pass	5.8	36.8	3.9	34.9	6th
Atqasuk	6.9	35.2	4.5	32.8	7th
Kaktovik	4.9	25.9	3.3	24.3	2nd
Nuiqsut	3.6	26.0	2.4	24.7	4th
Point Hope	5.0	24.5	3.3	22.8	3rd
Point Lay	7.4	39.7	4.9	37.2	8th
Utqiagvik	4.3	16.7	2.8	15.2	1st
Wainwright	5.7	29.1	3.8	27.2	5th