

RACER Ecoregion Case Study: Eastern Chukotka (Ecoregion # T 5)

Key features/areas			Heterogeneity	Productivity	Biodiversity	Significance for traditional using (reindeer husbandry, fishing hunting)	Main regional geographical drivers	Feature-scale driver	Climate variables
1	Pekulney Range	Mountain ridge	High	Low	Medium	Low	Temperature, Snow cover	Temperature, Snow cover Relief Lithology	Air temperature Precipitation Snow amount
2	South Ranges of Chukotka Mountain	Mountain ridges	High	Low	Medium	Low	Temperature, Snow cover	Temperature, Snow cover Relief Lithology	Air temperature Precipitation Snow amount
3	Chegitun River – Cape Deznev Area	Coastal mountains with small lowland areas	High	Low	High	high	Temperature, Snow cover	Temperature, Snow cover Relief Lithology	Air temperature Precipitation Snow amount
4	Providenia – Senyavin Straits Area	Coastal mountains with small lowland areas	High	Low	High	High	Temperature, Snow cover	Temperature, Snow cover Relief Lithology	Air temperature Precipitation Snow amount
5	Amguema River valley	Intermountain valley	Medium	High	Medium	High	Precipitations, Permafrost	Relief Lithology Precipitations, Permafrost	Air temperature Precipitation Snow amount Soil moisture
6	Mechigmen valley	Intermountain valley	Medium	High	Medium	High	Precipitations, Permafrost	Relief Lithology	Air temperature

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7	Vamcarem Lowland	Coastal Lowlands	Low	Low	High	Medium	Temperature Permafrost	Relief Lithology Precipitations, Permafrost	Air temperature Precipitation Snow amount Soil moisture
8	Koluchin bay Lowlands	Coastal Lowlands	Low	Low	High	Medium	Temperature Permafrost	Relief Lithology Precipitations, Permafrost	Air temperature Precipitation Snow amount Soil moisture
9	Western section of Low Anadyr lowland	Fluvial lowland	High	High	High	High	Temperature Precipitation Permafrost	Relief Lithology Precipitations, Permafrost	Air temperature Precipitation Snow amount Soil moisture

