	_				
Vegetation of the					
Upper Kuparuk River and Toolik Lake Region	nl		Physiognomy		
(mapped at 1:25.000, plotted at 1:63.360)		Barrens final size annroy			
		1.	Barren	Roads and gravel pads.	
Donald A. Walker, Corinne Munger, Hilmar A. Maier		2.	Lichens on rocks	Lichen communities on <i>geographicum</i> (12).	
and Others		3.	Partially vegetated barrens, and revegetated disturbed areas	Complexes of vegetation barrens (14), and partial include: Saxifraga oppo Castillega caudata (14	
		Mo	oist graminoid tu	ındras	
Uncut Sheet: 28x40		4.	Tussock sedge, dwarf- shrub, moss tundra	Moist acidic tussock tur plant communities inclu	
Cut Sheet: 25x39			,	Sphagnum (3111).	
	٦ 🗖	5.	Non-tussock sedge, dwarf-shrub, moss tundra	Moist nonacidic tundra bigelowii-Dryas integri Equisetum arvense (322 bigelowii-Dryas integri Sphagnum, subtype Ca.	
Descriptive lext		6.	Miscellaneous graminoid, dwarf- shrub, forb communities	Various graminoid dom landslides and thermoka include <i>Festuca altaica</i> <i>caespitosa-Carex saxat</i> (snowy streamsides) (5	
		We	et graminoid tun	dras and water	
		7.	Sedge, moss tundra (poor fens)	Poor fen wetland compl Lower microsties: <i>Eriop</i> <i>Eriophorum angustifoli</i> Raised microsites: <i>Spha</i>	
		8.	Sedge, moss tundra (fens)	Rich fen wetland compl Lower microsites: Care angustifolium-Carex aq Raised microsites: Trick bigelowii-Tomentypnun	
		9.	Water and deep-water herbaceous marsh	Water (6); Aquatic vege Arctophila fulva -Hippi (43).	
		Pro	ostrate-shrub tu	ndras	
		10.	Prostrate dwarf-shrub, forb, fruticose-lichen tundra (acidic)	Dry acidic tundra comp octopetala-Selaginella lichen tundra Cladonia	
		11.	Prostrate dwarf-shrub, sedge, forb, fruticose- lichen tundra (nonacidic)	Dryas integrifolia-Oxyt (22).	
Temporary Vegetation Legend		10			
Veg		12.	shrub, fruticose-lichen tundra	Carex microchaeta (23 rotundifolia-Sanionia u	
Barren		13.	Hemi-prostrate and	Dry tundra with shallow	
 Licnens on rocks Partially vegetated barrens, and revegetated disturbed areas Tussock sedge, dwarf-shrub, moss tundra 			forb, moss, fruticose- lichen tundra	tetragona-Calamagrost birch Betula nana-Hier	
Non-tussock sedge, dwarf-shrub, moss tundra		Er	ect-shrub tundr	28	
Miscellaneous graminoid, dwarf-shrub, forb communities		14.	Dwarf-shrub, sedge,	Moist acidic tundra con	
Sedge, moss tundra (poor len)			moss tundra	Dominant plant commu pulchra-Carex bigelow	
Water and deep-water herbaceous marsh		15.	Dwarf- to low-shrub, moss tundra	Shrub tundra dominated include <i>Betula nana-Ru</i>	
Prostrate dwarf-shrub, forb, fruticose-lichen tundra (acidic) Prostrate dwarf-shrub, sedge, forb, fruticose-lichen tundra (nonacidic)		16	Low to tall shrublands	Shrublands dominated l	
Hemi-prostrate dwarf-shrub, fruticose-lichen tundra		10.	Low to un sindolands	water tracks dominated Salix pulchra-Eriophor	
Hemi-prostrate and prostrate dwarf-shrub, forb, moss, fruticose-lichen tundra				<i>canadensis</i> (514). 2. Sh lanate willow (512). Do	
 Dwarf-shrub, sedge, moss tundra Dwarf- to low-shrub, moss tundra 				shrublands (5121) and I glauca and/or Alnus cri	
Low to tall shrublands				-	
Sedge, hemi-prostrate dwarf shrub, moss tundra					
 Forb or graminoid marsh Water 					
Other Legend Items]	
dicturb polycon - lokoo polycon					
<pre> mines point</pre>					
anthro2 arc ~ river arc				Le	
\sim <all other="" values=""> \sim streams_arc</all>				Glacia	
\sim Unknown \sim watertracks_arc $4\chi4$	- ma	ap	Inset		
abandoned-road conclip_arc		_			
∼ main-grav-road TYPE					
\sim pipeline \sim 1					
~ 2					

Plant communities (GIS codes)	Typical Microsites	На	% of Map					
11x19		0	0					1100 3 1050
	Barren roads, airstrips, and pads.	0	0	8				
n rocks, including Cetraria nigricans-Rhizocarpon	Xeric blockfields, glacial erratics.	1009	1.3	325,00				
on with rock or soil on scree slopes (11), river gravels and ally vegetated alpine areas (13). Dominant plant communit <i>ositifolia-Saxifraga eschscholtzii</i> (131); <i>Epilobium latifoin</i> (14); revegetated gravel pads with <i>Festuca rubra</i> (142).	other Partially vegetated disturbed barrens on gravel pads, abandoned roads, bulldozed areas.	1805	2.4			Toolik River		
undra complexes dominated by graminoids (31, 311). Dominude <i>Eriophorum vaginatum-Sphagnum</i> and <i>Carex bigelov</i>	inant Mesic to subhygric, stable, acidic wii- sites with shallow to moderate snow. (Zonal vegetation for bioclimate subzone E on ice-rich permafrost.)	29029	38.7	-				
a complexes (32). Dominant plant communities include <i>Ca</i> <i>ifolia</i> (321); <i>Carex bigelowii- Dryas integrifolia</i> , subtype (2); <i>Eriophorum vaginatum-Tomentypnum nitens</i> (323), <i>Ca</i> <i>ifolia</i> subtype <i>Cassiope tetragona</i> and <i>Carex bigelowii-</i> <i>assiope tetragona</i> (3113).	arex Mesic to subhygric, circumneutral sites with shallow to moderate snow.	12963	17.3	68°40'0"N 7,620,000			Dineline	
ninated communities on disturbances including those on carst areas, and drained lake basins. Dominant communities <i>a-Poa glauca</i> (Disturbed thermokarst areas) (325); <i>Descha</i> <i>tilis</i> (drained lakes) (326), <i>Carex podocarpa-Salix chamis</i> . 515).	Miscellaneous sites including deep-snow stream margins, landslides, and some rocky drained lake basins.	192	0.3			Trans Al	aska Piper	
blexes (41). Dominant plant communities include: <i>ophorum scheuchzeri-Sphagnum orientale</i> (412), and <i>ium-Sphagnum</i> (413). <i>agnum lenense-Salix fuscescens</i> (411).	Subhydric to hydric, meadows, ponds, acidic poor fens (pH <4.5) in colluvial basins.	1934	2.6	- Toolik Lake	2 729	Daltor		
blexes (42). Dominant plant communities include: ex aquatilis-Carex chordorrhiza (422), and Eriophorum quatilis (423). chophorum caespitosum-Tomentypnum nitens and Carex m nitens (421).	Subhydric to hydric, water tracks, stream margins, fens (pH>4.5), flarks on solifuluction slopes.	1158	1.5	7,615,C			968968 865	
etation in deeper water. Dominant plant communities inclu uris vulgaris and Sparganium hyperboreum-Hippuris vulg	de Hydric, lakes, ponds and streams. garis	1595	2.1					
plexes (21); Dominant plant communities include <i>Dryas</i> sibirica (211), Arctous alpina-Salix phlebophylla (212) a a arbuscula-Stereocaulon tomentosum (215).	nd Xeric to xeromesic, <u>acidic</u> , wind blown, no to shallow winter snow cover. Ridge tops, exposed slopes, dry river terraces.	7251	9.7	N.00				
tropis nigrescens (24), Dryas integrifolia-Astragalus umb	ellatus Xeromesic to mesic <u>non-acidic</u> soils on collluvium or recent alluvium, wind-blown to shallow winter snow cover. Slopes, non- sorted stripes, river terraces. Dominated by <i>Dryas integrifolia</i> .			68°3; 7,610,0				
23). Dominant plant communities include <i>Cassiope tetrago</i> 31); <i>Cassiope tetragona-Dryas integrifolia</i> (232); <i>Salix uncinatus</i> (233).	ona- Subxeric to mesic, acidic to nonacidic, snowbeds.	1580	2.1					S
w snowbeds. Dominant plant communities include <i>Cassionetis inexpansa</i> (214). Also includes dry areas with hemi-proceeding alpina (213).	<i>pe</i> ostrate Subxeric to mesic, acidic to nonacidic, shallow snowbeds. Mainly on acidic ridge crests and non-sorted stone stripes (214), and dry glacial till and outwash (213).	2164	2.9		813			
mplexes dominated by shrubs (shrubby tussock tundra) (31 unities include <i>Betula nana-Eriophorum vaginatum</i> , and <i>Svii</i> .	2). Mesic to subhygric, moderate Salix snow, lower slopes	8445	11.2	- ¹ ,			881	130
d by dwarf birch or willows. Dominant plant communities <i>ubus chamaemorus</i> or <i>Salix pulchra-Sphagnum</i> (513).	Subhygric, moderate snow, margins of upland water tracks, palsas, high-centered polygons	601	0.8		884			
by low and tall shrublands including: 1. Shrublands stream l by diamond -leaf willow. Dominate plant communities ind <i>rum angustifolium</i> (511), <i>Salix pulchra-Calamagrostis</i> hrublands on river gravels dominated by feltleaf willow, an ominant plant communities include <i>Salix alaxensis</i> tall low shrublands (5122). 3. Upland shrublands dominated b <i>rispa</i> (52)	s and Stream margins upland water clude tracks, and south facing slopes, mesic to subhydric, often with deep snow. by Salix Totals:	5344 75070	7.1	68-30N	924		1290 x x x x x x x x x x x x x x x x x x x	
					4 6 4 6 bometers			
				149°40'0"W	395,000 149°30'0"W	00,000 405,000 149°20'0"W	410,000 149°10'0"W	415,000
egend: al Geology 4x4	map inset	G	Le S eom	egend: urficial horphology	4x4 map inset	Legend: Topography	4x4 map inset	Legend Phytoma NDVI



149°40'0"W

395,000

