River ice within the Arctic zone of Western Siberia

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STUDY AREA


Салехард
Лабытнанги
Воркута
Инта
Надым
Новый Уренгой
Пангоды
Губкинский
Тарко-Сале
Муравленко
Ноябрьск
Тазовская губа
Обская губа
Гыданский
Ямал
Дудинка
Игарка
[national-atlas.ru]


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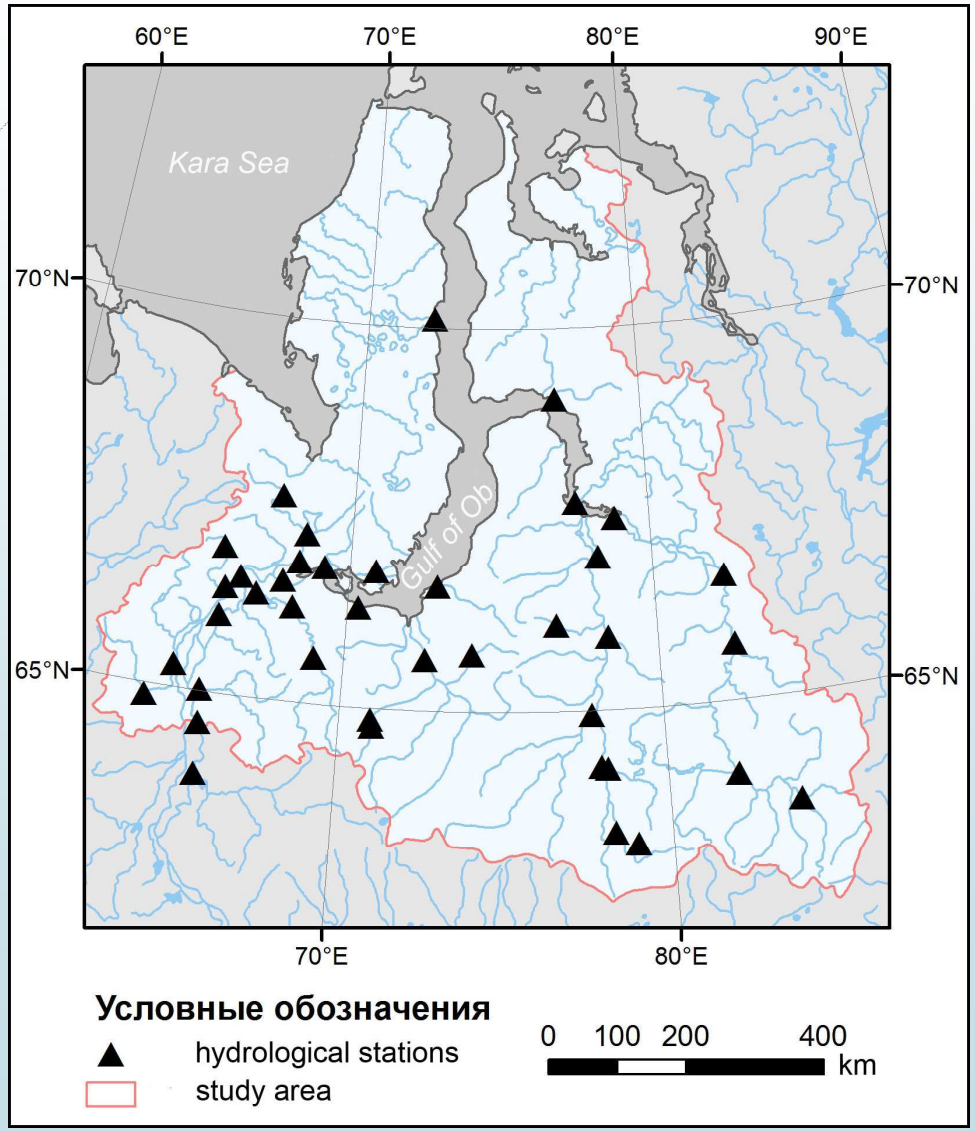
STUDY AREA



Major rivers are the Ob, Nadym, Pu and Taz (the Kara Sea basin).

40 hydrological stations

the period from 1936 to 2014

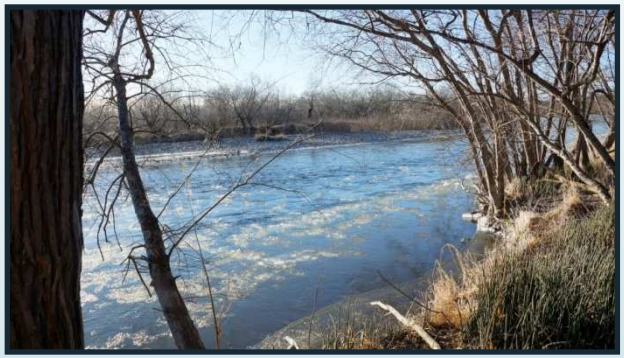
Information on terms of ic phenomena (appearance of ice freeze-up, breakup, beginning of th spring ice run and ice clearance);

on their duration (ice phenomen period, ice cover, autumn sludge ru and spring ice run);

typical water levels during sprin ice run and ice jams formation and th frequency of ice jams;

Ice thickness.

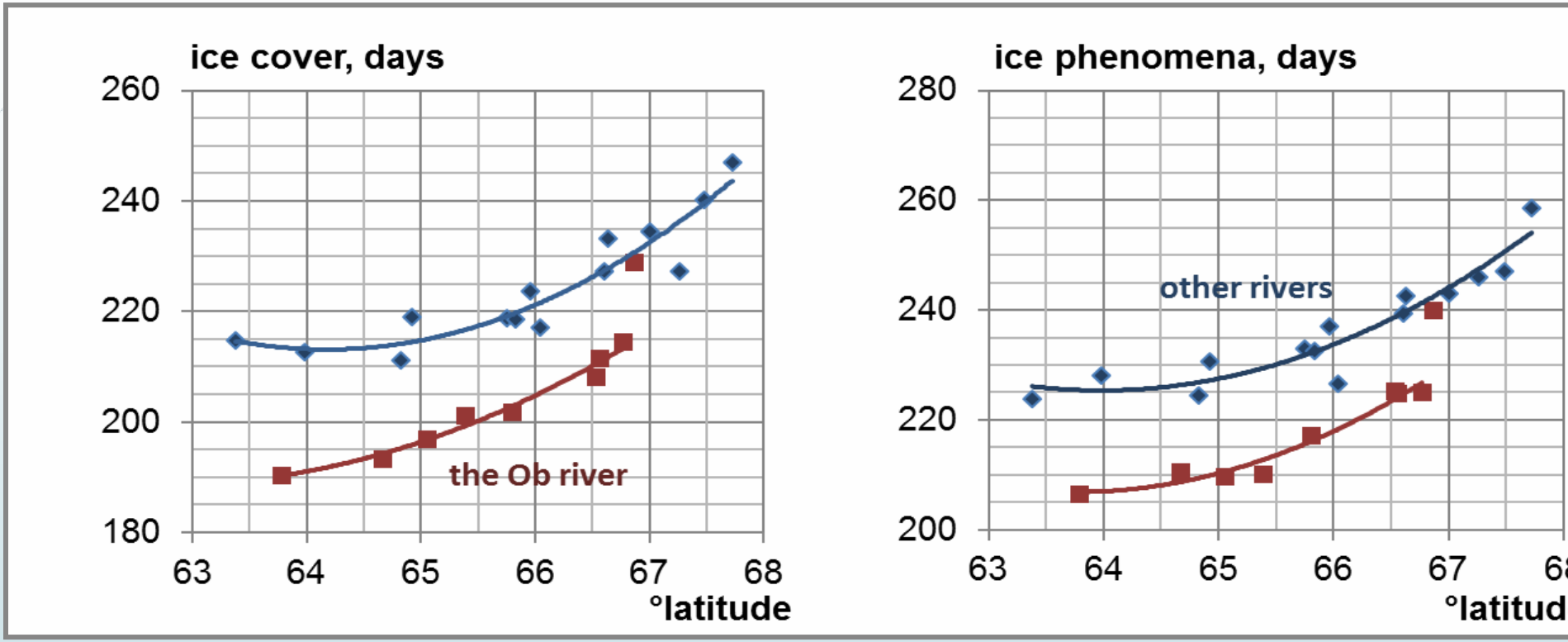
RIVER ICE



	Ob Gorki	Ob Salekhard	Ob Jar-Sale	Nadym Nadym	Pyakupur Tarko-Sale	Pur Urengoy	Taz Sidorovsk	Gulf of Ta Nakhodk
T_1	211	225	239	232	231	237	240	258
T_2	198	209	228	219	220	224	229	248

T_1 – ice phenomena, days; T_2 – ice cover, days.

THE DURATION OF ICE PERIODS



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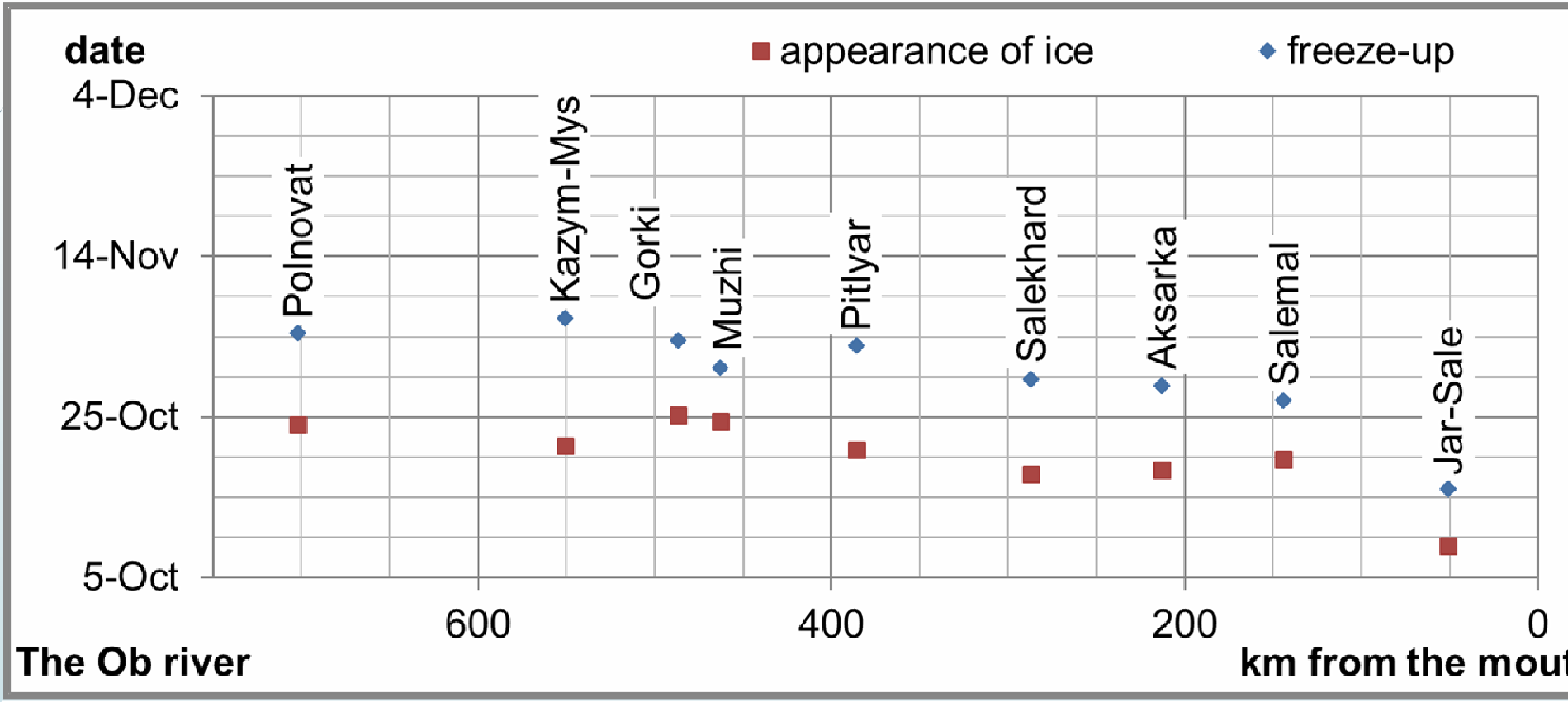
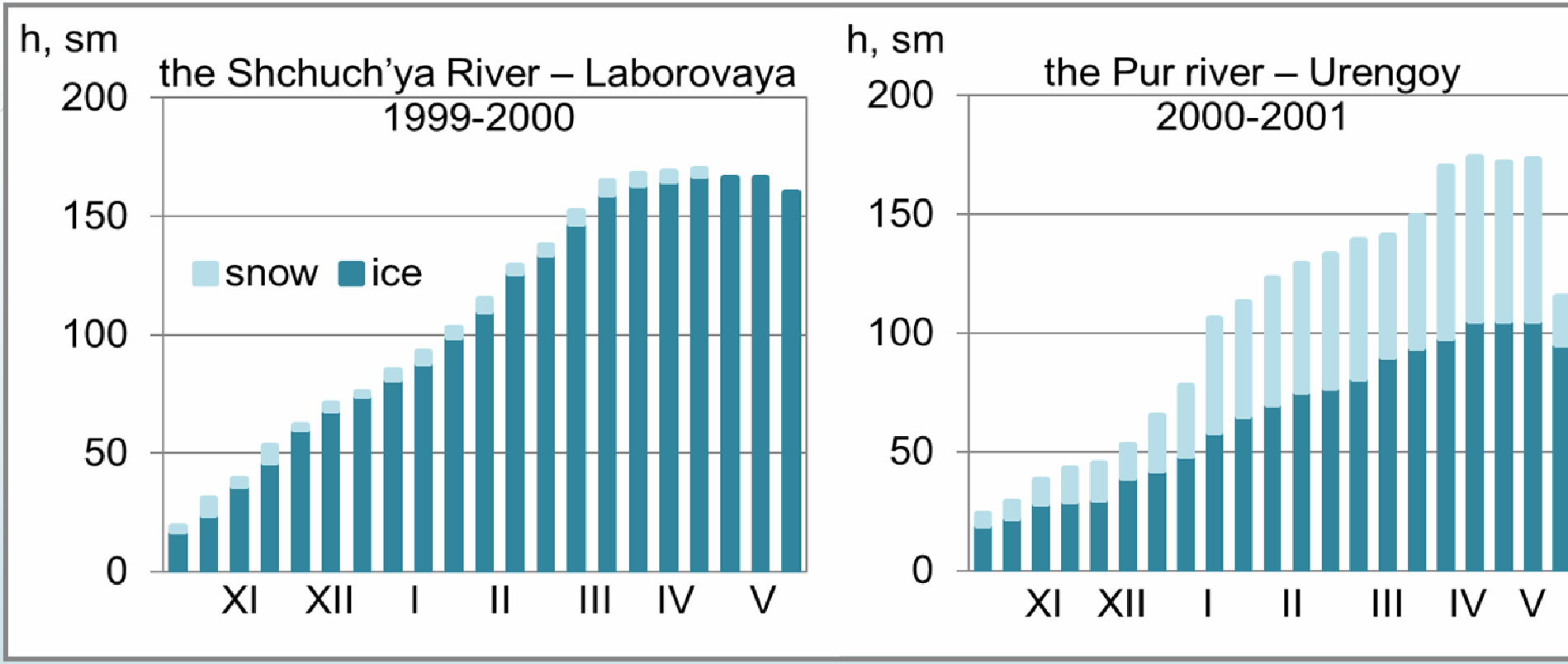
TERMS OF APPEARANCE OF ICE AND FREEZE-UI



(1936-2014)	Nadym Nadym	Pyakupur Tarko-Sale	Pur Urengoy	Taz Sidorovsk	Gulf of Taz Nakhodka
appearance of ice	9 Okt	12 Okt	10 Okt	11 Okt	3 Okt
freeze-up	18 Okt	21 Okt	20 Okt	19 Okt	14 Okt

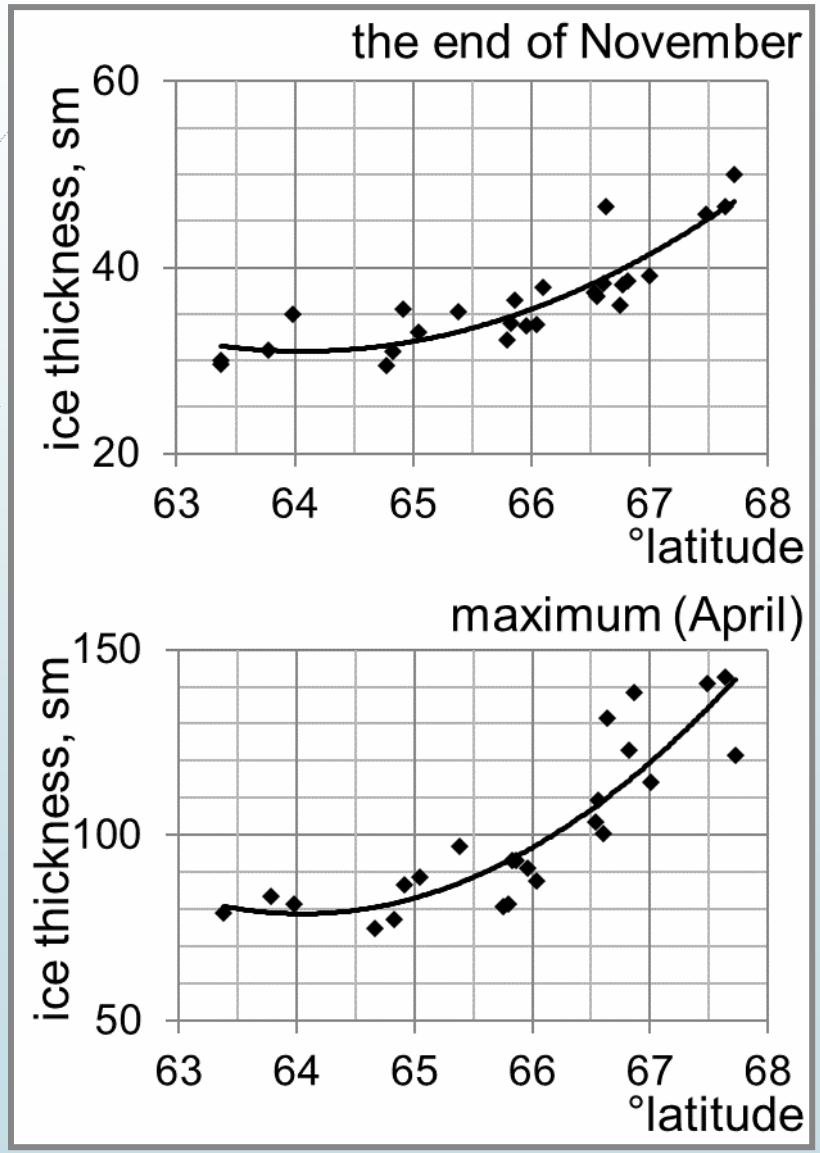
ICE COVER GROWTH

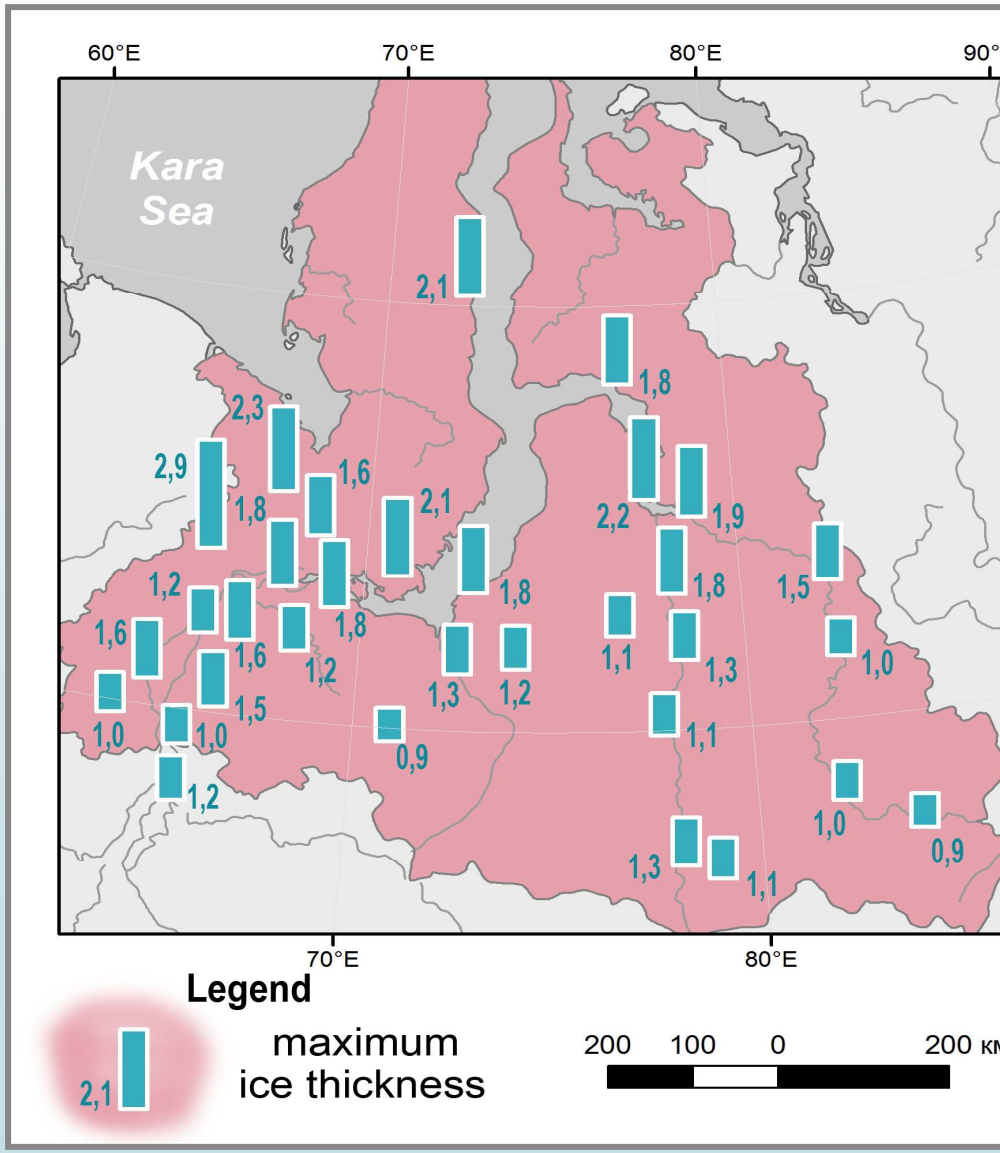


	Ob Gorki	Ob Salekhard	Ob Salemal	Nadym Nadym	Pyakupur Tarko-Sale	Pur Urengoy	Taz Sidorovsk	Gulf of Ta Nakhodk
h_1	33	37	42	34	35	34	38	50
h_2	89	104	133	93	87	91	100	122

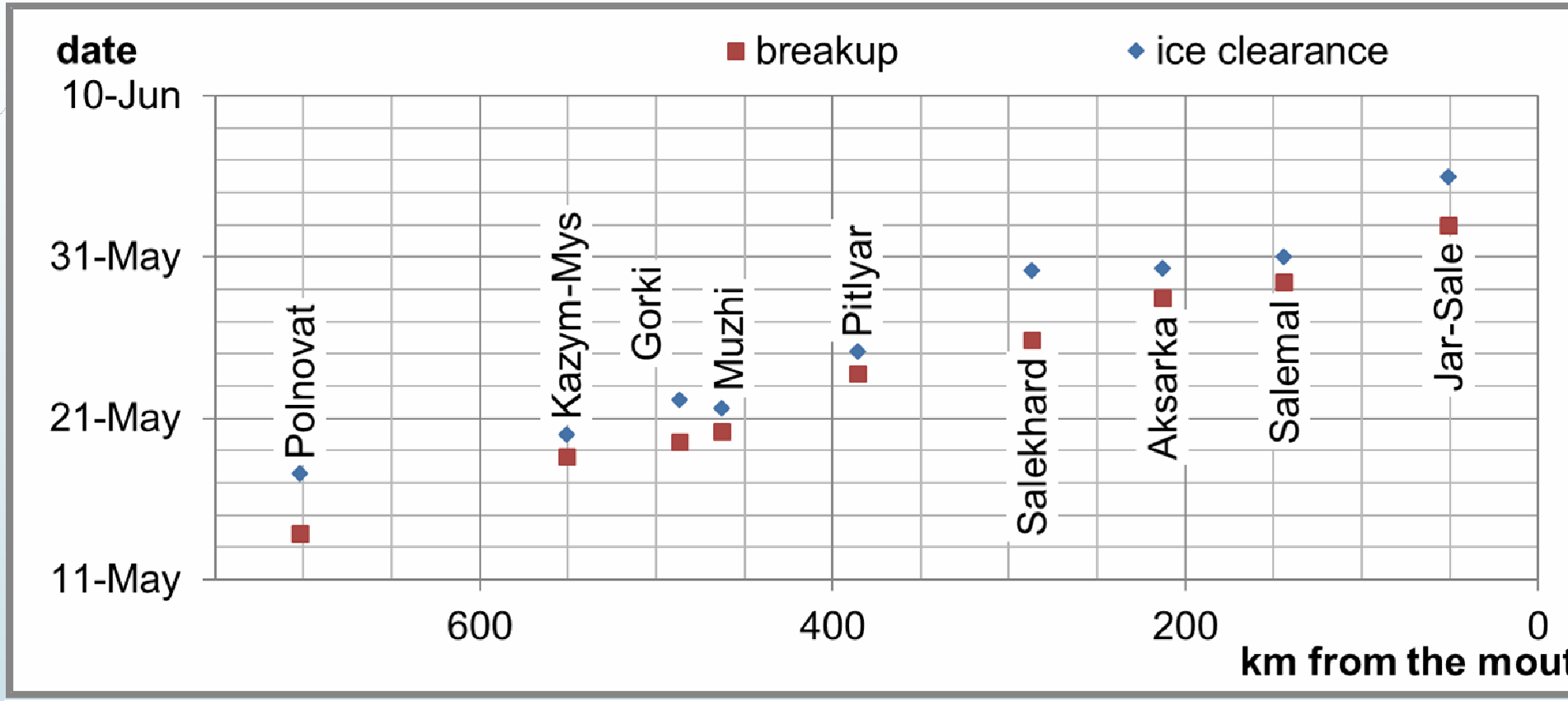
Average ice thickness: h_1 – the end of November, sm; h_2 – the end of April, sm.

ICE THICKNESS



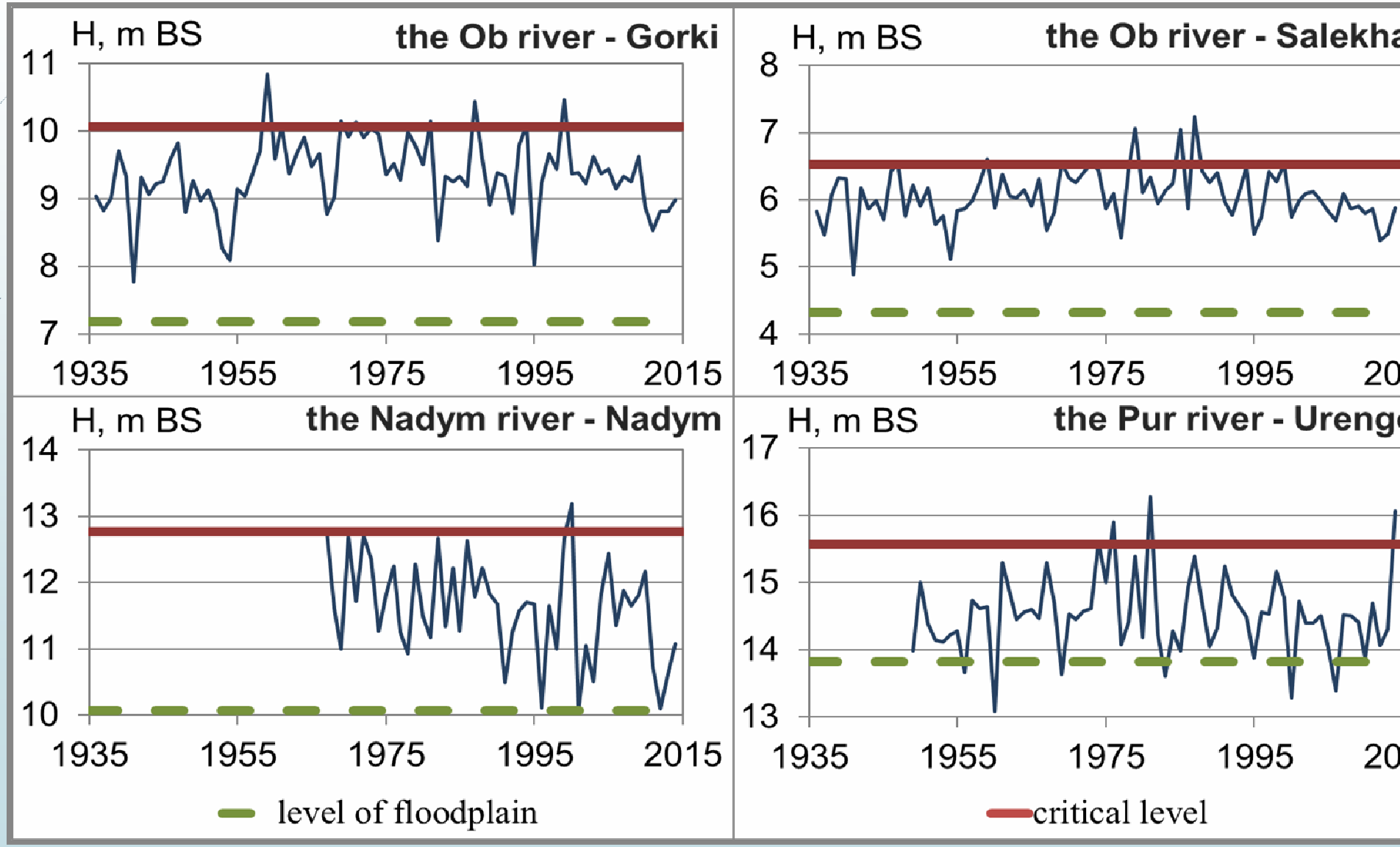


TERMS OF BREAKUP AND ICE CLEARANCE



(1936-2014)	Nadym Nadym	Pyakupur Tarko-Sale	Pur Urengoy	Taz Sidorovsk	Gulf of Taz Nakhodka
break-up	25 May	28 May	31 May	3 Jun	13 Jun
ice clearance	29 May	30 May	3 Jun	6 Jun	18 Jun

ICE-RUN WATER LEVEL AND ICE-RELATED FLOO

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