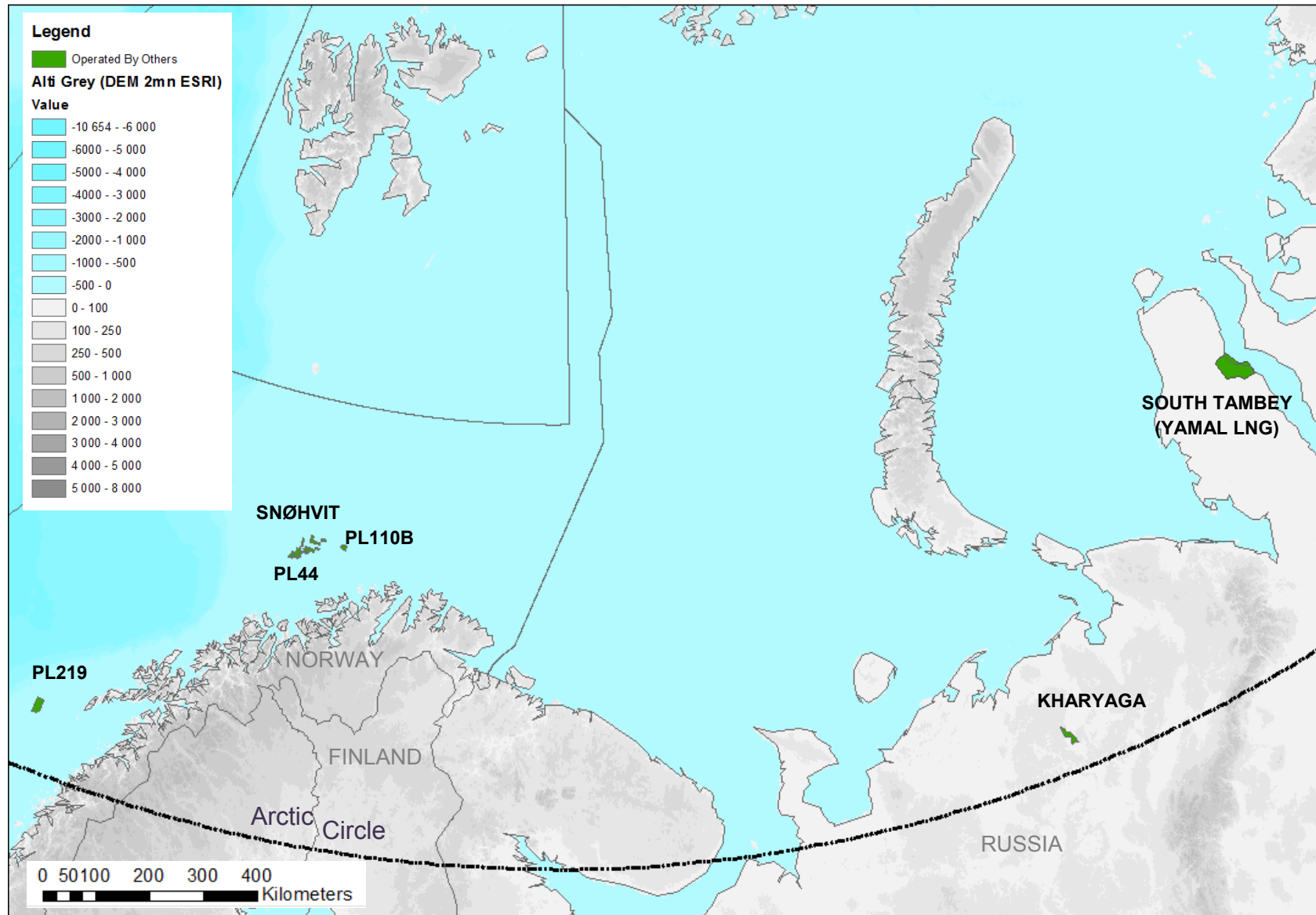


Arctic – Total acreage (as of December 20th, 2016)



NB: Arctic Area defined as area inside Arctic Circle

Country	License	Location	Entry TOTAL	Expiry	Group WI (%)	Operator	Type of hydrocarbon
Russia	SOUTH TAMBEY (YAMAL LNG)	Onshore	06/10/2011	31/12/2045	TOTAL E&P YAMAL SAS 20.00 %	JSC YAMAL LNG	Gas
Russia	KHARYAGA	Onshore	01/01/1999	31/12/2031	TOTAL E&P RUSSIE 20.00 %	ZARUBEZHNEFT PRODUCTION KHARYAGA LLC	Oil
Norway	SNØHVIT (PL064, PL077, PL078, PL097, PL099, PL100, PL110)	Offshore	27/03/1981	01/10/2035	TOTAL E&P NORGE AS 18.4%	STATOIL PETROLEUM AS	Gas
Norway	PL110B	Offshore	17/12/2004	17/12/2019	TOTAL E&P NORGE AS 18.4%	STATOIL PETROLEUM AS	Gas
Norway	PL448	Offshore	15/06/2007	15/06/2017	TOTAL E&P NORGE AS 18.4%	STATOIL PETROLEUM AS	Gas
Norway	PL219	Offshore	02/02/1996	02/02/2024	TOTAL E&P NORGE AS 15.0%	STATOIL PETROLEUM AS	Gas