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Indicator	State	Trend	Information	Measure extent	Measure	Current status	Related 2009 report indicators/measures	Period of assessment and trend measure
Managed forests and greenhouse gas emissions	 mixed/fair	 mixed/ no change	 partial	 provincial forest	Accumulated forest carbon stocks by type	2016 total carbon all types 1,777 mega tonnes	Net change in forest ecosystem carbon	2005-2016 decreasing
				 commercial forest	Greenhouse gas net emissions	2016 0.5 mega tonnes net carabon sink	no	1990-2016 mixed
Watershed health	 mixed/fair	 mixed/ no change	 partial	 commercial forest	Per cent of watershed areas in a recently disturbed (harvest or burned) state	2017 equivalent clearcut area averages 17 per cent (wildfire and harvest)	Stress rating of watersheds within the provincial forest associated with regulated forestry activities; has been revised in 2019	1987-2017 deteriorating
Natural forest disturbances	 good	 mixed/ no change	 partial	 commercial forest	Defoliation from spruce budworm and jack pine budworm	2017 10,189 ha of jack pine budworm	Annual area disturbed by forest pests	1977-2017 cyclical at low level
				 commercial forest	Defoliation from forest tent caterpillar and large aspen tortrix	2017 609,103 ha of forest tent caterpillar	Annual area disturbed by forest pests	1977-2017 cyclical but increasing
				 commercial forest	Area of abiotic forest disturbances	2017 19,359 ha total flood and wind damage	Annual area disturbed by forest pests; has been expanded in 2019	2011-2017 mixed
				 province	Provincial area burned by wildfire	2017 398,997 ha	Annual area burned in the commercial forest zone relative to the 10 year average	1999-2017 mixed
Deforestation in Saskatchewan	 mixed/ fair	 mixed/ no change	 partial	 province	Deforestation by industry type	2016 1,661 ha provincial total all sources	no	1970-2016 stable





















Indicator	State	Trend	Information	Measure extent	Measure	Current status	Related 2009 report indicators/measures	Period of assessment and trend measure
Cumulative impacts from linear features	 unknown	 unknown	 partial	 commercial forest	Kilometers of forest resource roads constructed or reclaimed	2017 28,257.3 km (all road classes)	no	benchmark assessment unknown
				 provincial forest	Kilometers of linear features	ranges from 0 to 36.9 km/km ²	no	benchmark assessment unknown
Regeneration of timber harvest area	 good	 improving	 partial	 commercial forest	Early regeneration stocking: sufficiently regenerated area at establishment survey	harvest year 2008/09 98 per cent sufficiently regenerated	Harvest area that has been surveyed and found to be sufficiently regenerated	2004-05 to 2008-09 improving
				 provincial forest	Free-to-grow assessment: sufficiently regenerated area at free-to-grow survey	harvest year 2007/08 2,391 ha early free-to-grow	Harvest area that meets the sufficiently regenerated free-to grow standard; but nothing to report	2004-05 to 2008-09 unknown
Mountain pine beetle detection and prevention	 good	 improving	 partial	 provincial forest	Monitoring of MPB in the provincial forest	2018 no presence of MPB in the provincial forest	no	2011-2018 improving
				Cypress Hills Interprovincial Park	Number of MPB infested trees removed from the Cypress Hills Interprovincial Park	2018 200 trees removed	no	2006-2018 mixed

Economic and social benefits




















Indicator	State	Trend	Information	Measure extent	Measure	Current status	Related 2009 report indicators/measures	Period of assessment and trend measure
Annual timber harvest	 mixed/fair	 improving	 adequate	 commercial forest	Actual annual harvest compared to harvest volume schedule	2016-17 3.9 million cubic meters (47 per cent of provincial annual allowable cut)	Actual volume of timber harvested compared to the annual allowable cut	1999-2017 mixed
Indigenous involvement in the forest sector	 good	 improving	 partial	 province	Annual allowable cut allocated to Indigenous businesses	2018-19 28 per cent of provincial annual allowable cut	Volume in cubic meters of softwood/ hardwood under licence to aboriginal owned and/ or partnered forest industry businesses	2000-01 to 2018-19 improving
				 province	Indigenous employment in the forest sector	2017 31 per cent of total employment	no	2005-2017 mixed
Forest sector contributions to the provincial economy	 good	 improving	 adequate	 province	Forest products sales and exports	2017 total sales \$1.143 billion exports \$619 million	no	1999-2017 mixed
				 province	Forest sector direct employment	2017 4,395	Forest sector employment trend since 1999	1999-2017 decreased
Economic value of select non-timber forest uses	 good	 mixed/ no change	 adequate	 province	Hunting and fur licence sales	2017 127,882 all licence types	Value of non-timber forest-based services to the provincial economy	2008-2017 stable
				 province	Fishing licence sales	2017 190,194 all licence types	Value of non-timber forest-based services to the provincial economy	2008-2017 stable











Conserving biological diversity

Indicator	State	Trend	Information	Measure extent	Measure	Current status	Related 2009 report indicators/measures	Period of assessment and trend measure
Forest type and age	 mixed/fair	 mixed/ no change	 partial	 provincial forest	Forest and non-forest land cover types of the provincial forest	2019 41 per cent softwood forest 8 per cent mixedwood forest 7 per cent hardwood forest 8 per cent open productive forest/shrub 17 per cent wetland 17 per cent water 2 per cent other	Distribution and abundance of forest types, seral stages of forest types and wetland types	2009-2019 mixed/ no change
				 commercial forest	Forest and non-forest land cover types of the greater commercial forest zone	2019 27 per cent softwood forest 10 per cent mixedwood forest 14 per cent hardwood forest 2 per cent open productive forest/shrub 30 per cent wetland 14 per cent water 3 per cent other	Distribution and abundance of forest types, seral stages of forest types and wetland types	2009-2019 mixed/ no change
				 commercial forest	Forest area in the greater commercial forest zone by forest age and type	2019 total forest: 24 per cent young 39 per cent immature 15 per cent mature 10 per cent old 12 per cent very old	Distribution and abundance of forest types, seral stages of forest types and wetland types	2009-2019 mixed/ no change
Protected areas	 mixed/fair	 improving	 partial	 province	Per cent of province under ecological protection	2019 9 per cent	no	1919-2019 increasing
				 provincial forest	Per cent of provincial forest under ecological protection	2019 9 per cent	Area of the entire provincial forest in protected areas by ecoregion	1919-2019 increasing
				 commercial forest	Per cent of greater commercial forest zone under ecological protection	2019 12 per cent	Area of commercial forest zone in protected areas for each ecoregion, by forest and wetland types and by seral stage	1919-2019 increasing

Indicator	State	Trend	Information	Measure extent	Measure	Current status	Related 2009 report indicators/measures	Period of assessment and trend measure
Woodland caribou habitat	 mixed/fair	 unknown	 partial	 boreal plain exozone	Per cent disturbed woodland caribou habitat in the SK2 caribou administrative units	2015 sk2 west: 57 per cent sk2 central: 40 per cent sk2 east: 23 per cent	no	2010 vs 2015 establishing benchmark
Species at risk in the commercial forest	 mixed/fair	 unknown	 partial	 commercial forest	Number and status of species at risk in the commercial forest	2019 22 federally listed species	Species classified as endangered, threatened or special concern that are found in saskatchewan's commercial forest	2009-2019 unknown due to assessment backlog
Genetic conservation of native commercial tree species	 good	 mixed/ no change	 adequate	 commercial forest	Improved and wild seed planted	2006-2015 36 per cent of trees planted during this period were from improved seed	Genetic diversity of reforestation seedlots	2006-2015 stable
Marten populations in the provincial forest	 good	 mixed/no change	 adequate	 provincial forest	Number of marten pelts marketed	2016 4,165 pelts marketed	no	1996-2016 mixed/stable
Moose in the provincial forest	 mixed/fair	 deteriorating	 partial	 commercial forest	Moose hunt success in select wildlife management zones	2017 moose populations declining in three of six WMZs	no	2011-2017 deteriorating

Sustainable forest management

Indicator	State	Trend	Information	Measure extent	Measure	Current status	Related 2009 report indicators/measures	Period of assessment and trend measure
Compliance collection of royalties and forest management fees	 good	 improving	 adequate	 provincial forest	Forest harvest scaling and dues submission compliance rate	2017-18 100 per cent after government review	no	2014-15 to 2017-18 stable
Compliance and enforcement of the forest industry	 mixed/fair	 mixed/ no change	 partial	 commercial forest	Number of inspections, number of inspection items and compliance rate	2016-17 96 per cent compliance rate	Forest contraventions in the last few years, relative to the size of the operations and rate of compliance	2009-10 to 2016-17 stable
				 commercial forest	Number of inspection items and number of observations	2016-17 186 observations out of 2,301 items inspected	no	2009-10 to 2016-17 stable
				 commercial forest	Number of voluntary compliance opportunities offered and number of enforcement actions taken	2017-18 51 vco's; 72 enforcement actions	no	2009-10 to 2017-18 increasing
Client services available online and in person	 good	 improving	 adequate	 province	Number and type of online tools	2018 three online tools	no	1999-2018 increasing
				 province	Forest related inquires to general inquiry phone line	2017-18 225 inquiries	no	2013-14 to 2017-18 stable
Opportunities for stakeholder engagement in forest management planning	 good	 mixed/no change	 adequate	 commercial forest	Number of opportunities provided for public and stakeholder engagement	2017 167 opportunities	Participation in public involvement processes associated with forest management	2009-2017 increasing

Indicator	State	Trend	Information	Measure extent	Measure	Current status	Related 2009 report indicators/measures	Period of assessment and trend measure
Research and education	 good	 improving	 partial	 province	Annual ministry forest education expenditures	2017-18 \$78,275	Investment in forest research and forest education	2013-14 to 2017-18 mixed
				 province	Annual ministry forest research expenditures	2017-18 \$679,129	Investment in forest research and forest education	2013-14 to 2017-18 improving
Forest licence allocation	 mixed/fair	 mixed/no change	 adequate	 commercial forest	Per cent of the commercial forest under long term tenure	2018 61 per cent	Area and percentage of the commercial provincial forest under long-term tenure	2016 mixed
				 commercial forest	Per cent of the commercial forest under short term tenure	2018 39 per cent	Area and percentage of the commercial provincial forest under short-term tenure	2016 mixed