

Title: **Production History and Forecast by Production Area from Fall 2017 RSB**

Prepared by: Department of Revenue, Tax Division, Economic Research Group

Date updated: 12/19/2017

Purpose: To provide historic and forecasted Alaska oil and gas production data.

Data Source: Forecast production from Fall 2017 Revenue Sources Book Forecast generated by
Department of Natural Resources

Historic Production based on reported company activity as of Fall 2017, from 1959 to
2017

Disclaimer The Department of Revenue is in the process of reviewing and updating the data on
which this analysis is based. As a result, future analysis could have different results.

Projections on future petroleum production originate from the Commercial and
Resource Evaluation sections of the Department of Natural Resources. These
projections will be revised over time based on analysis of reservoir performance, the
pace and scope of development of new fields, and downtime projections.

Alaska Oil Production⁽¹⁾
Production History FY* 1959-2017
(Average in Thousands of Barrels per Day)

FY	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
Prudhoe Bay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PBU Satellites ⁽²⁾	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GPMA ⁽³⁾	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kuparuk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kuparuk Satellites ⁽⁴⁾	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Endicott ⁽⁵⁾	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alpine ⁽⁶⁾	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offshore ⁽⁷⁾	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NPR-A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Point Thomson	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANS Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cook Inlet	0.4	0.6	7.1	25.2	28.9	29.9	30.4	32.0	50.3	136.9	191.7	218.1
State Total	0.4	0.6	7.1	25.2	28.9	29.9	30.4	32.0	50.3	136.9	191.7	218.1

*Fiscal Year is July-June. For consistency, all historical data is converted to FY in this analysis

⁽¹⁾ Includes NGL production shipped through TAPS.

⁽²⁾ Aurora, Borealis, Midnight Sun, Orion, Polaris, Milne Point, Sag River, Schrader Bluff, Ugnu

⁽³⁾ Lisburne, Niakuk, Point McIntyre, Raven, West Beach, West Niakuk

⁽⁴⁾ Meltwater, NEWS, Tabasco, Tarn, West Sak

⁽⁵⁾ Endicott, Minke, Sag Delta, Eider, Badami

⁽⁶⁾ Alpine, Fiord, Nanuq, Qannik, Mustang

⁽⁷⁾ Northstar (all ownership), Ooguruk, Nikaitchuq, Liberty (delayed)

These volumes were updated and validated on 12/19/17. Due to revisions, amendments, and corrections, numbers may vary slightly from previous report.

Alaska Oil Production⁽¹⁾
Production History FY* 1959-2017
(Average in Thousands of Barrels per Day)

FY	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Prudhoe Bay	0.0	0.0	0.0	0.0	0.0	0.0	10.5	786.9	1,194.0	1,454.8	1,513.0	1,526.3
PBU Satellites ⁽²⁾	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GPMA ⁽³⁾	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kuparuk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.8
Kuparuk Satellites ⁽⁴⁾	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Endicott ⁽⁵⁾	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alpine ⁽⁶⁾	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offshore ⁽⁷⁾	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NPR-A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Point Thomson	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANS Total	0.0	0.0	0.0	0.0	0.0	0.0	10.5	786.9	1,194.0	1,454.8	1,513.0	1,573.1
Cook Inlet	219.0	207.3	196.4	194.2	192.4	179.5	166.6	143.0	128.8	107.5	91.6	79.0
State Total	219.0	207.3	196.4	194.2	192.4	179.5	177.1	929.9	1,322.8	1,562.3	1,604.6	1,652.1

*Fiscal Year is July-June. For consistency, all historical data is converted to FY in this analysis

⁽¹⁾ Includes NGL production shipped through TAPS.

⁽²⁾ Aurora, Borealis, Midnight Sun, Orion, Polaris, Milne Point, Sag River, Schrader Bluff, Ugnu

⁽³⁾ Lisburne, Niakuk, Point McIntyre, Raven, West Beach, West Niakuk

⁽⁴⁾ Meltwater, NEWS, Tabasco, Tarn, West Sak

⁽⁵⁾ Endicott, Minke, Sag Delta, Eider, Badami

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⁽⁷⁾ Northstar (all ownership), Ooguruk, Nikaitchuq, Liberty (delayed)

These volumes were updated and validated on 12/19/17. Due to revisions, amendments, and corrections, numbers may vary slightly from previous report.

Alaska Oil Production⁽¹⁾
Production History FY* 1959-2017
(Average in Thousands of Barrels per Day)

FY	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Prudhoe Bay	1,533.3	1,537.0	1,543.8	1,548.9	1,567.9	1,602.6	1,513.2	1,375.8	1,340.3	1,294.8	1,181.0	1,072.4
PBU Satellites ⁽²⁾	0.0	0.0	0.0	9.8	5.1	0.0	2.7	11.5	18.2	20.0	18.1	18.1
GPMA ⁽³⁾	0.0	0.0	0.0	21.4	43.9	37.4	37.0	38.6	36.6	30.4	97.7	160.1
Kuparuk	95.9	118.6	169.0	243.0	273.9	287.0	300.1	299.2	300.1	316.8	322.4	307.6
Kuparuk Satellites ⁽⁴⁾	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Endicott ⁽⁵⁾	0.0	0.0	0.0	0.0	0.0	77.1	98.5	102.3	108.6	111.5	116.3	102.6
Alpine ⁽⁶⁾	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Offshore ⁽⁷⁾	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NPR-A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Point Thomson	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANS Total	1,629.2	1,655.6	1,712.8	1,823.2	1,890.7	2,004.1	1,951.5	1,827.5	1,803.8	1,773.5	1,735.5	1,660.8
Cook Inlet	72.4	64.4	53.9	45.9	46.3	43.1	42.8	31.8	41.3	41.7	40.3	38.6
State Total	1,701.5	1,720.0	1,766.7	1,869.1	1,937.1	2,047.3	1,994.3	1,859.3	1,845.1	1,815.2	1,775.8	1,699.4

*Fiscal Year is July-June. For consistency, all historical data is converted to FY in this analysis

⁽¹⁾ Includes NGL production shipped through TAPS.

⁽²⁾ Aurora, Borealis, Midnight Sun, Orion, Polaris, Milne Point, Sag River, Schrader Bluff, Ugnu

⁽³⁾ Lisburne, Niakuk, Point McIntyre, Raven, West Beach, West Niakuk

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⁽⁷⁾ Northstar (all ownership), Ooguruk, Nikaitchuq, Liberty (delayed)

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Alaska Oil Production⁽¹⁾
Production History FY* 1959-2017
(Average in Thousands of Barrels per Day)

FY	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Prudhoe Bay	986.0	884.0	800.0	704.2	625.5	571.4	535.9	485.9	429.1	414.4	380.2	335.4
PBU Satellites ⁽²⁾	21.9	24.0	48.9	53.6	58.3	58.4	59.2	81.5	96.8	103.3	92.4	82.1
GPMA ⁽³⁾	190.9	207.2	186.9	151.7	113.5	88.1	73.4	65.0	60.0	59.9	54.6	47.5
Kuparuk	301.3	282.0	264.0	260.4	237.8	210.9	196.5	173.6	160.0	154.0	140.8	132.0
Kuparuk Satellites ⁽⁴⁾	0.0	0.0	1.0	28.0	36.1	30.7	37.2	48.5	53.7	48.9	51.0	43.3
Endicott ⁽⁵⁾	98.5	86.6	66.7	57.2	48.5	43.2	36.7	32.9	29.0	28.1	20.0	20.5
Alpine ⁽⁶⁾	0.0	0.0	0.0	0.0	0.0	0.0	45.4	96.2	98.8	99.0	104.6	123.4
Offshore ⁽⁷⁾	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.1	59.5	66.1	67.7	55.4
NPR-A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Point Thomson	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANS Total	1,598.6	1,483.9	1,367.4	1,255.2	1,119.8	1,002.6	984.2	1,008.6	987.0	973.8	911.3	839.7
Cook Inlet	42.5	42.0	36.3	32.1	31.4	29.3	28.7	33.2	29.3	25.1	20.3	18.3
State Total	1,641.1	1,525.8	1,403.8	1,287.3	1,151.3	1,031.9	1,012.9	1,041.7	1,016.3	998.9	931.6	858.0

*Fiscal Year is July-June. For consistency, all historical data is converted to FY in this analysis

⁽¹⁾ Includes NGL production shipped through TAPS.

⁽²⁾ Aurora, Borealis, Midnight Sun, Orion, Polaris, Milne Point, Sag River, Schrader Bluff, Ugnu

⁽³⁾ Lisburne, Niakuk, Point McIntyre, Raven, West Beach, West Niakuk

⁽⁴⁾ Meltwater, NEWS, Tabasco, Tarn, West Sak

⁽⁵⁾ Endicott, Minke, Sag Delta, Eider, Badami

⁽⁶⁾ Alpine, Fiord, Nanuq, Qannik, Mustang

⁽⁷⁾ Northstar (all ownership), Ooguruk, Nikaitchuq, Liberty (delayed)

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Alaska Oil Production
Production History FY* 1959-2017
(Average in Thousands of Barrels per Day)

FY	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Prudhoe Bay ^{(2), (3)}	270.8	291.1	291.4	276.7	267.6	265.2	247.4	247.5	228.5	232.1	239.8
PBU Satellites ^{(2), (4)}	75.7	67.5	67.9	63.1	55.4	50.7	46.5	44.3	41.4	44.0	39.0
GPMA ⁽⁵⁾	36.9	44.3	38.5	34.0	30.8	29.7	26.3	26.2	22.4	23.3	27.7
Kuparuk	121.4	112.6	105.6	99.2	91.0	91.6	86.4	85.9	78.5	78.4	80.6
Kuparuk Satellites ⁽⁶⁾	43.8	36.5	36.9	35.0	31.9	27.5	25.3	25.1	26.6	26.0	24.4
Endicott ⁽⁷⁾	16.4	14.1	14.2	12.7	11.7	11.3	10.4	9.5	9.0	9.1	8.6
Alpine ⁽⁸⁾	124.4	114.9	106.7	93.5	84.6	78.2	64.5	56.8	47.8	55.2	58.9
Offshore ⁽⁹⁾	44.9	34.4	31.5	28.4	27.0	25.2	24.8	35.0	46.8	46.4	44.3
NPR-A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Point Thomson	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	3.1
ANS Total	734.2	715.4	692.7	642.6	599.9	579.4	531.6	530.4	501.0	514.7	526.5
Cook Inlet	16.1	13.9	10.1	8.9	10.4	10.7	12.2	16.3	18.3	16.6	14.1
State Total	750.4	729.4	702.8	651.5	610.3	590.1	543.8	546.6	519.2	531.3	540.6

Refer to next page for footnotes

Alaska Oil Production
Production Forecast FY 2018-2027 (Fall 2017)
(Average in Thousands of Barrels per Day)

FY	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Prudhoe Bay	228.6	224.9	220.0	216.8	214.4	212.4	210.7	209.3	207.9	206.7
PBU Satellites ⁽⁴⁾	57.5	57.6	52.8	51.9	50.4	48.4	46.8	45.4	44.2	43.1
GPMA ⁽⁵⁾	30.5	29.9	28.8	27.9	27.3	26.7	26.1	25.7	25.3	24.9
Kuparuk	82.6	81.2	79.0	77.7	76.6	75.8	75.1	74.4	73.8	73.3
Kuparuk Satellites ⁽⁶⁾	23.9	25.8	25.5	24.5	24.0	23.6	23.3	23.0	22.8	22.6
Endicott ⁽⁷⁾	8.2	8.0	7.9	7.8	7.7	7.6	7.5	7.5	7.4	7.4
Alpine ⁽⁸⁾	63.1	55.0	62.0	57.4	46.9	41.3	39.1	37.9	36.7	34.3
Offshore ⁽⁹⁾	35.8	36.8	35.8	34.1	33.7	33.6	33.5	33.4	33.3	33.3
NPR-A	0.0	1.0	9.5	14.3	15.5	16.4	16.9	17.5	17.5	16.3
Point Thomson	3.1	5.3	5.6	5.8	5.8	5.9	6.0	6.0	6.4	7.4
Other ⁽¹⁰⁾	0.0	0.0	0.0	0.0	0.1	0.8	6.1	13.3	19.6	23.6
ANS Total	533.4	525.7	526.8	518.3	502.5	492.6	491.1	493.4	494.8	492.9
Cook Inlet	16.7	22.2	17.9	15.4	13.9	13.0	12.2	11.6	11.0	10.5
State Total	550.1	547.9	544.7	533.7	516.4	505.6	503.4	505.1	505.9	503.4

*Fiscal Year is July-June. For consistency, all historical data is converted to this FY system, regardless of the prevailing system of the day

⁽¹⁾ FY 2016 production figures have been revised from the *Fall 2016 Revenue Sources Book* due to revised company submissions.

⁽²⁾ Milne Point Unit production is now being reported with PBU Satellites instead of with PBU volume. Historical volumes, therefore, will not match the *Fall 2011 Revenue Sources Book*.

⁽³⁾ Includes NGLs from Central Gas Facility shipped to TAPS.

⁽⁴⁾ Aurora, Borealis, Midnight Sun, Orion, Polaris, Milne Point, Sag River, Schrader Bluff, Ugnu

⁽⁵⁾ Lisburne, Niakuk, Point McIntyre, Raven, West Beach, West Niakuk

⁽⁶⁾ Meltwater, NEWS, Tabasco, Tarn, West Sak

⁽⁷⁾ Endicott, Minke, Sag Delta, Eider, Badami

⁽⁸⁾ Alpine, Fiord, Nanuq, Qannik, Mustang, CRU 5th, Fiord West

⁽⁹⁾ Northstar, Ooguruk, Nikaitchuq, Liberty

⁽¹⁰⁾ Projects under evaluation that are outside of the preceding areas. Includes Pikka, Placer, Smith Bay.

NOTE: Totals may show slight differences from other sources due to rounding and aggregation differences.

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