

Hydrocarbon seeps and shows in western Newfoundland

No.	Location	Basin	Type of Show	Show Description	Reference
	(Click link for picture)				
1	Belvie Bay	ABNorth	Bituminous outcrop	Bed of brownish black bituminous limestone	Murray (1881), Ch. 2 - 1864
2	Round Pond	ABNorth	Drill hole	Tarry hydrocarbons and live oil shows	MacDonald (1975)
3	St. Barbe Harbour	ABNorth	Bituminous outcrop	Quartz crystals in vugs within sparry dolomite coated with hydrocarbon residue	Source unknown at present
4	St. John Island	ABNorth	Bituminous outcrop	Mineralized dolomite veins impregnated with oil	Knight and Boyce (1984)
5	Back Arm	ABNorth	Bituminous outcrop	Abundant hydrocarbon residue, possible exhumed oil reservoir	Baker and Knight (1993)
6	Deer Cove	ABNorth	Petroliferous odours	Dolostones exude petroliferous odour when broken	Dept. of Natural Resources, internal
7	Daniel's Harbour	ABNorth	Drill hole	Live (liquid) oil shows in drill core	Boyce (1981)
8	Portland Creek Quarry	ABNorth	Bituminous outcrop	Hydrocarbon staining along fracture surfaces	Dept. of Natural Resources, internal
9	Parson's Pond Quarry	ABNorth	Bituminous outcrop	Hydrocarbon staining along fracture surfaces	Dept. of Natural Resources, internal
10	St. Paul's Inlet Quarry	ABNorth	Bituminous outcrop	Hydrocarbon staining along fracture surfaces	Dept. of Natural Resources, internal
11	The Arches	ABNorth	Petroliferous odours	Dolomitized breccias exude petroliferous odour when broken	Dept. of Natural Resources, internal
12	Parson's Pond	ABNorth	Bituminous outcrop	Shoreline exposures contain hydrocarbon residues	Fleming (1970)
13	Thomson's Island	ABNorth	Gas venting	Natural gas explosions observed sporadically	Henry (1910)
14	Cow Head Peninsula	ABNorth	Bituminous outcrop	Hydrocarbon staining along fracture surfaces	Dept. of Natural Resources, internal
15	Broom Point	ABNorth	Bituminous outcrop	Hydrocarbon staining along fracture surfaces	Dept. of Natural Resources, internal
16	Green Point	ABNorth	Bituminous outcrop	Hydrocarbon staining along fracture surfaces	Dept. of Natural Resources, internal
17	Lobster Cove Head	ABNorth	Bituminous outcrop	Pyrobitumen specks noted in sandstones	Stevens <i>et al.</i> (2003)
18	Chimney Cove	ABCentral	Bituminous outcrop	Minor amounts of oily tar along fracture surfaces	Lilly (1956), Geofile No. 012G/01/0039
19	No. 4 Mine Brook	ABCentral	Bituminous outcrop	Oil bearing grey limestone interbedded with sandstone and shale	Stevens (1965)
20	Shoreline Candlelight Inn	ABCentral	Bituminous outcrop	Pyrobitumen along fracture surfaces	Dept. of Natural Resources, internal
21	Bay of Islands	ABCentral	Gas venting	Gas venting to the seafloor	Shaw <i>et al.</i> (2000)
22	Humber Arm	ABCentral	Gas venting	Gas emanating from Quaternary sediments or bedrock	Shaw <i>et al.</i> (2000)
23	Little Port	ABCentral	Bituminous outcrop	Trace quantities of live oil and bitumen along fractures	Dept. of Natural Resources, internal
24	Bottle Cove	ABCentral	Bituminous outcrop	Pyrobitumen along fracture surfaces in siltstone and pillow basalts	Dept. of Natural Resources, internal
25	Trumpet Cove	ABCentral	Bituminous outcrop	Limestones are hydrocarbon stained	Burden <i>et al.</i> (2001)
26	Serpentine River	ABCentral	Bituminous outcrop	Limestone beds locally bituminous along fracture surfaces	Stevens (1965)
27	Shoal Point	ABSouth	Bituminous outcrop	Liquid petroleum to solid bitumen along shoreline	Murray (1881), Ch. 14 - 1874
28	Bluff Head Brook	ABSouth	Bituminous outcrop	Bituminous limestones	Murray (1881), Ch. 14 - 1874
29	Fox Island River	ABSouth	Bituminous outcrop	Bituminous limestones	Murray (1881), Ch. 14 - 1874
30	Lewis Brook	ABSouth	Bituminous outcrop	Bituminous limestones	Murray (1881), Ch. 14 - 1874
31	Rope Cove Head	ABSouth	Bituminous outcrop	Crystalline bitumen along fractures	Murray (1881), Ch. 14 - 1874
32	Phillips Brook	ABSouth	Bituminous outcrop	Sandstone blocks rich in hydrocarbons	Walthier (1949)
33	Two Guts Pond	ABSouth	Bituminous outcrop	Heavily bitumen stained sandstone bed	Murray (1881), Ch. 14 - 1874
34	Sluice Brook	ABSouth	Bituminous outcrop	Oil saturated upper Blow Me Down Brook Formation sandstone	Burden <i>et al.</i> (2005)

Hydrocarbon seeps and shows in western Newfoundland Continued.

No.	Location	Basin	Type of Show	Show Description	Reference
35	Molly Ann Cove N & S	ABSouth	Bituminous outcrop	Bitumen saturated Blow Me Down Brook Formation sandstones	Burden <i>et al.</i> (2005)
36	West Bay	ABSouth	Bituminous outcrop	Bitumen along fracture surfaces in limestone and sandstone	Corkin (1965)
37	West Bay	ABSouth	Drill hole	Water wells often contaminated with hydrocarbons	Williams <i>et al.</i> (1996)
38	South of Lourdes	ABSouth	Drill hole	Bitumen or live oil filled vugs in calcite veins, live oil along fractures	Saunders and Hardy (1975)
39	Long Point	ABSouth	Bituminous outcrop	Bitumen veinlets (<1 cm wide) cutting Lourdes limestone	Dept. of Natural Resources, internal
40	South of Lourdes	ABSouth	Drill hole	Liquid hydrocarbons within vuggy calcite veins in DDH RND-002	Thomas (1992)
41	Flat Bay Brook	BSGB	Bituminous outcrop	Bituminous limestone	Murray (1881), Ch. 13 - 1873
42	Fischell's Brook	BSGB	Bituminous outcrop	Bituminous limestone giving off a fetid odour when broken	Murray (1881), Ch. 13 - 1873
43	Middle Barachois Brook	BSGB	Bituminous outcrop	Very fetid bituminous limestone bed	Murray (1881), Ch. 13 - 1873
44	Black Point, Codroy Shoreline	BSGB	Bituminous outcrop	Bituminous residues within limestone bed	Hayes and Johnson (1938)
45	Highlands Shoreline	BSGB	Bituminous outcrop	Bituminous residue in vugs and shells within limestone	Hayes and Johnson (1938)
46	Crabbes River Mouth	BSGB	Bituminous outcrop	Bitumen along fracture surfaces in limestone	Bell (1948)
47	Crabbes River	BSGB	Oil shale	Siltstone bed resembles a very lean oil shale	Bell (1948)
48	Flat Bay Area	BSGB	Drill hole	Natural gas (Hole 24N0E) and oil (Hole 28N4W) seen while drilling for gypsum	McKillop (1957)
49	Nicholsville	DLB	Drill hole	Numerous gas shows Landell-Mills #1 well	MODS 012H/03/Btm002
50	Cormack	DLB	Drill hole	Numerous gas shows Claybar #3 well	MODS 012H/06/Btm002
51	Cormack	DLB	Drill hole	Numerous gas shows Claybar #1 well	MODS 012H/06/Btm001
52	Lane Brook	DLB	Bituminous outcrop	Live oil along fracture surfaces	Pers. comm. with Cabot Martin, Deer Lake Oil and Gas Ltd.
53	Cormack Quarry	DLB	Bituminous outcrop	Banded speleothem calcite with admixed hydrocarbons	Dept. of Natural Resources, internal
54	Rocky Brook Cabins	DLB	Oil shale	Petroliferous brownish colored shales	Macauley, 1987 (2)
55	Richard Squires Park	DLB	Oil shale	Petroliferous brownish colored shales	Macauley, 1987 (2)
56	Adies Pond	DLB	Bituminous outcrop	Brecciated red shales with bituminous material covering fracture surfaces	Wilkinson, 1981
57	Wetstone Point	DLB	Oil shale	petroliferous brownish colored shales	MODS 012H/03/Btm001
58	Grindstone Point	DLB	Bituminous outcrop	Conglomerate/sandstone matrix infilled with pyrobitumen	MODS 012H/03/Btm027
59	Little Pond Brook	DLB	Bituminous outcrop	Conglomerate/sandstone matrix infilled with pyrobitumen	MODS 012A/14/Btm001
60	Little Grand Lake East #2	DLB	Bituminous outcrop	Conglomerate/sandstone matrix infilled with pyrobitumen	MODS 012A/14/Btm003
61	Sandy Lake	DLB	Drill hole	Heavily bituminous sandstone beds	O'Sullivan (1979)
62	Hatch #2 Coal Hole	DLB	Drill hole	Heavily bituminous sandstone beds	Hatch. (1920)
63	Pillers Cove	SAB	Oil shale	Petroliferous brownish colored shales	Murray (1881), Ch. 2 - 1864; Baird (1966, 1957)
64	Cape Rouge Harbour	SAB	Petroliferous odours	Live to dead oil along fracture surfaces	Murray (1881), Ch. 2 - 1864; Baird (1966, 1957)