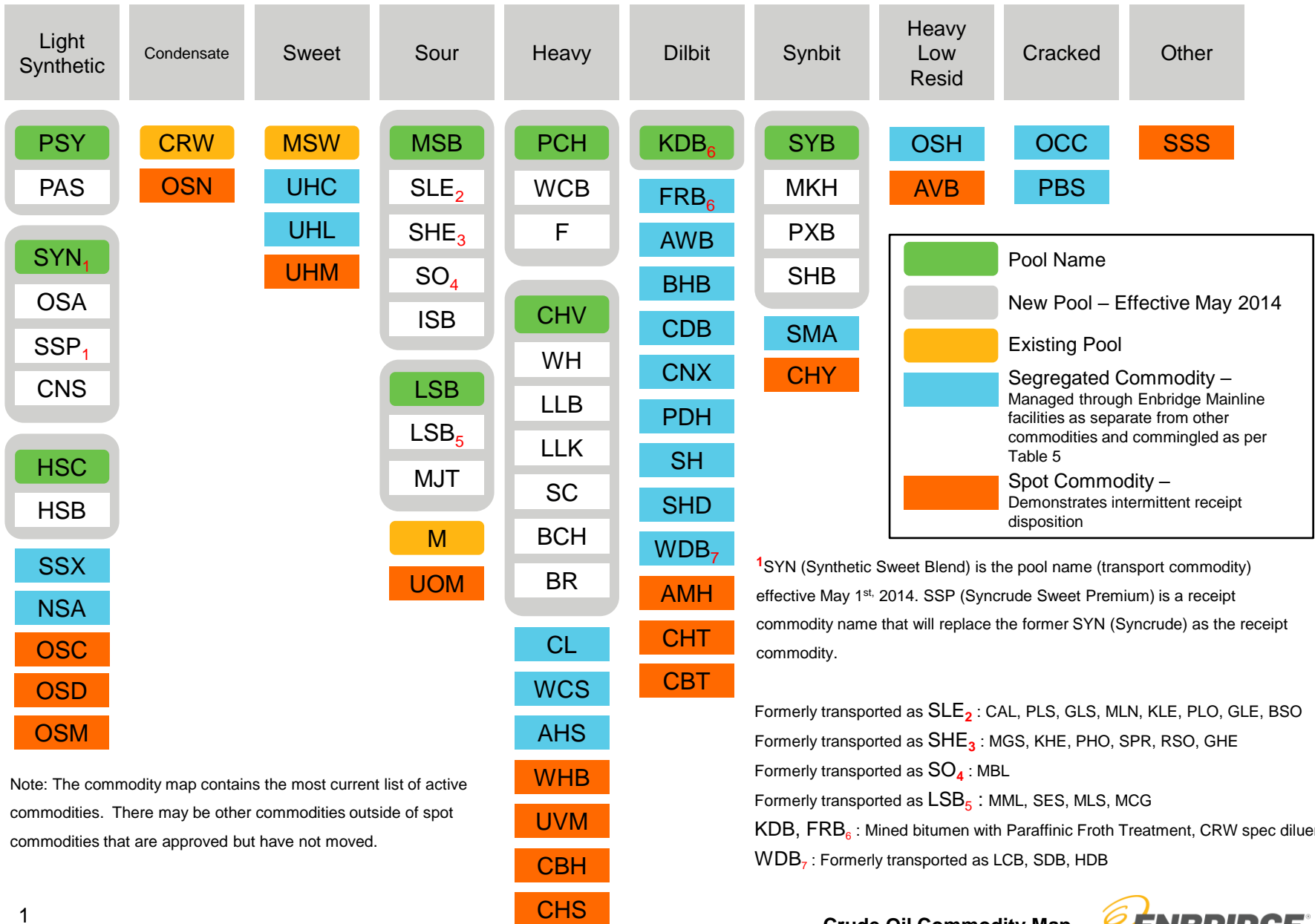


Crude Oil Commodity Map (Effective April 1, 2023)



Note: The commodity map contains the most current list of active commodities. There may be other commodities outside of spot commodities that are approved but have not moved.

Crude Oil Commodity Management Reference

Definitions

Pool: An aggregate of specific receipt commodities.

Segregated Commodity: Commodity that is managed through Enbridge mainline facilities as separate from other commodities and commingled as per Table 5 (Now identified as Appendix 1, "Throughput and Quality Management" found in Enbridge Liquids Pipeline Mainline Service Levels).

Spot Commodity: Demonstrates intermittent receipt disposition.

First Commingling Point: The first point at which a minimum of two components to a specific pool combine using common receipt and/or breakout tanks. Upon custody transfer to Enbridge, each component to an individual pool moves from its receipt ID to its transport ID. Individual components to a specific pool may be combined, in any ratio, prior to the defined first point of commingling under specific operational circumstances where Enbridge at its sole discretion deems it necessary for the safe or efficient operation of the system.

Pool Name	First Commingling Point
Premium Synthetic (PSY)	Edmonton (EP)
Synthetic Sweet Blend (SYN)**	Edmonton (EP)
Hardisty Synthetic Crude (HSC)	Hardisty (YP)
Canadian Blended Heavy (CBH)	Hardisty (YP)
Canadian Blended Dilbit (CBT)	Hardisty (YP)
Canadian Heavy Sweet (CHS)	Hardisty (YP)
Canadian Heavy Dilbit (CHT)	Hardisty (YP)
Condensate Blend (CRW)*	Edmonton (EP)
Mixed Sweet Blend (MSW)*	Edmonton (EP)
Medium Sour Blend (MSB)*	Edmonton (EP)
Light Sour Blend (LSB)*	Cromer (CM)
Midale (M)*	Cromer (CM)
Premium Conventional Heavy (PCH)	Superior (PR)
Conventional Heavy (CHV)	Superior (PR)
Synbit Blend (SYB)	Edmonton (EP)

* Equalized Pools

** SYN (Synthetic Sweet Blend) is the pool name (transport commodity) effective May 1st, 2014. SSP (Syncrude Sweet Premium) is a receipt commodity name that will replace the former SYN (Syncrude) as the receipt commodity.

Crude Oil Commodity Management

Crude Quality Group	Commodity Transport Method	Transport Commodity(ies)	Receipt Commodities
Light Synthetic	Pool	Premium Synthetic (PSY)	Premium Albian Synthetic (PAS)
		Synthetic Sweet Blend (SYN)	Suncor A (OSA) CNRL Light Sweet Synthetic Blend (CNS)
			Syncrude Sweet Premium (SSP)
	Hardisty Synthetic Crude (HSC)	Husky Synthetic Blend (HSB) Long Lake Light Synthetic Blend (PSC)	
	Segregated	Shell Synthetic Light (SSX) Newgrade Synthetic Blend A (NSA)	Shell Synthetic Light (SSX) Newgrade Synthetic Blend A (NSA)
	Spot	Suncor C (OSC)	Suncor C (OSC)
		Suncor D (OSD)	Suncor D (OSD)
		Suncor M (OSM)	Suncor M (OSM)

SYN (Synthetic Sweet Blend) is the pool name (transport commodity) effective May 1st, 2014. SSP (Syncrude Sweet Premium) is a receipt commodity name that will replace the former SYN (Syncrude) as the receipt commodity.

Currently Inactive

Crude Quality Group	Commodity Transport Method	Transport Commodity(ies)	Receipt Commodities
Condensate	Pool	Condensate Blend (CRW)	Amoco Condensate (CAM) Federated Condensate (CFD) Fort Saskatchewan Condensate (CFT) Gibson Condensate (CGB) Gibson Condensate Hardisty (CGY) Plains Marketing Condensate (CLN) Petrocanada Condensate (CPC) Pembina Condensate (CPM) Pembina Nexus Condensate (CPN) Peace Pipe Condensate (CPR) Rainbow Condensate (CRB) Rangeland Condensate (CRL) Rimbey Condensate (CRM) Condensate Gibsons Light Density (CGL) Gibsons Condensate Blend (GRW) Suncor N (OSN) Kinder Morgan Condensate Blend (KRW) Southern Lights Diluent (SLD)
	Spot	Suncor N (OSN)	Suncor N (OSN)
Currently Inactive			

Crude Quality Group	Commodity Transport Method	Transport Commodity(ies)	Receipt Commodities
Sweet	Pool	Mixed Sweet Blend (MSW)	Central Alberta Sweet (CSW) Federated (FD) Gibson Light (MGL) HCT Sweet Blend (HSW) Joarcam (MLN) Secure Sask Light (MSE) Manitoba Sweet Tundra (MST) Light Smiley (MSY) Pembina (P) Peace Pipe Light (MPR) Plains Sweet Regina (PSR) Rainbow Light (RA) Redwater (RW) Pembina Sweet Blend (PSB) Kinder Morgan Sweet (KSW) Rangeland Sweet (RSW) Gibsons Mixed Blend Sweet (GSW) BP SW (SWB)
	Segregated	U.S. Sweet- Clearbrook (UHC) U.S. Sweet- Lewiston (UHL)	U.S. Sweet- Clearbrook (UHC) U.S. Sweet- Lewiston (UHL)
	Spot	U.S Sweet Mokena (UHM)	U.S Sweet Mokena (UHM)
	Currently Inactive		

Crude Quality Group	Commodity Transport Method	Transport Commodity(ies)	Receipt Commodities
Sour	Pool	Medium Sour Blend (MSB)	Central Alberta Pipeline (CAL 1) Pembina Light Sour (PLS 1) Gibsons Light Sour (GLS 1) Joarcam (MLN 1) Kinder Morgan Low Sour (KLE 1) Pembina Low Sour (PLO 1) Gibsons Low Sour (GLE 1) BP Sour Blend (BSO 1)
			Gibson Sour (MGS 2) Imperial Sour Blend (ISB 2) Kinder Morgan High Sour (KHE 2) Pembina High Sour (PHO 2) Peace Pipe Sour (SPR 2) Rangeland Sour (RSO 2) Gibsons High Sour (GHE 2)
			Hardisty Light (MBL 3)
		Light Sour Blend (LSB)	Manitoba Light (MML) South East Sask (SES) Tundra Light Sour (MLS) ICG Light Sour (MCG) Moose Jaw Tops (MJT)
	Midale (M)	Manitoba Medium (MM 4) Wespur Midale (MSM 4)	
Spot	U.S Mokena Sour (UOM)	U.S Mokena Sour (UOM)	

Formerly transported as Edmonton Light Sour (SLE) 1
 Formerly transported as High Sulphur Sour (SHE) 2
 Formerly transported as Hardisty Sour (SO) 3
 Effective July 1, 2015 Midale transported as segregated commodity

Crude Quality Group	Commodity Transport Method	Transport Commodity(ies)	Receipt Commodities
Heavy	Pool	Premium Conventional Heavy (PCH)	Western Canadian Blend (WCB) Fosterton (F)
		Conventional Heavy (CHV)	BP Conventional Heavy Blend (BCH) Bow River (BR) Lloydminster Hardisty (LLB) Lloydminster Kerrobert (LLK) Smiley Coleville (SC) Wabasca Heavy (WH)
	Segregated	Albian Heavy Synthetic (AHS) Cold Lake (CL) Western Canadian Select (WCS)	Albian Heavy Synthetic (AHS) Cold Lake (CL) Western Canadian Select (WCS)
	Spot	Western Heavy Blend (WHB) Canadian Heavy Sweet (CHS) Canadian Blended Heavy (CBH) U.S Mokena Heavy (UVM)	Western Heavy Blend (WHB) Canadian Heavy Sweet (CHS) Canadian Blended Heavy (CBH) U.S Mokena Heavy (UVM)

Crude Quality Group	Commodity Transport Method	Transport Commodity(ies)	Receipt Commodities
Dilbit	Pool	Kearl Lake Dilbit (KDB)*	Kearl Lake Dilbit (KDB)
	Segregated	Fort Hills Dilbit (FRB)* Access Western Blend (AWB) Borealis Heavy Blend (BHB) Christina Lake Dilbit (CDB) Canadian Natural Hight Tan (CNX) Long Lake Heavy Dilbit Blend (PDH) Seal Heavy (SH) Surmont Heavy Dilbit (SHD) Western Canada Dilbit (WDB)	Fort Hills Dilbit (FRB) Access Western Blend (AWB) Borealis Heavy Blend (BHB) Christina Lake Dilbit (CDB) Canadian Natural Hight Tan (CNX) Long Lake Heavy Dilbit Blend (PDH) Seal Heavy (SH) Surmont Heavy Dilbit (SHD) Western Canada Dilbit (WDB)
	Spot	Albian Muskeg River Heavy (AMH) Canadian Heavy Dilbit (CHT) Canadian Blended Dilbit (CBT)	Albian Muskeg River Heavy (AMH) Canadian Heavy Dilbit (CHT) Canadian Blended Dilbit (CBT)

* Mined bitumen with Paraffinic Froth Treatment, CRW spec diluent

Formerly transported as LCB, SDB, HDB

New Product

Crude Quality Group	Commodity Transport Method	Transport Commodity(ies)	Receipt Commodities
Synbit	Pool	Synbit Blend (SYB)	MacKay River Heavy (MKH) Surmont Heavy Blend (SHB) PetroChina Blend (PXB) Long Lake Heavy Synbit Blend (PSH)
	Segregated	Surmont Mix A (SMA)	Surmont Mix A (SMA)
	Spot	Canadian Heavy Synbit (CHY)	Canadian Heavy Synbit (CHY)

Currently Inactive

Crude Quality Group	Commodity Transport Method	Transport Commodity(ies)	Receipt Commodities
Heavy Low Resid	Segregated	Suncor Synthetic H (OSH)	Suncor Synthetic H (OSH)
	Spot	Albian Vacuum Gas Oil Blend (AVB)	Albian Vacuum Gas Oil Blend (AVB)

Crude Quality Group	Commodity Transport Method	Transport Commodity(ies)	Receipt Commodities
Cracked	Segregated	Suncor Cracked C (OCC) Pine Bend Special (PBS)	Suncor Cracked C (OCC) Pine Bend Special (PBS)

Crude Quality Group	Commodity Transport Method	Transport Commodity(ies)	Receipt Commodities
Other	Spot	Sarnia Special Blend (SSS)	Sarnia Special Blend (SSS)