



BLUE
ORGANIZATION



Report 2019 to 2024

META DATA

Data base and data set



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We would like to give a special mention to our partner Environment and Climate Change Canada (ECCC), who made this project possible.

Also, a special mention to the St. Lawrence Global Observatory (SLGO), who accompanied us through the various steps of the data life cycle, from the development of visualization, dissemination and valorisation tools, cataloguing, data validation and quality control, to communication and outreach.



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ABOUT

Blue Organization

Founded in 2018, Blue Organization is a Quebec-based non-profit organization, promoting the preservation and conservation of the blue planet.

Through a circular and interdisciplinary approach, halfway between nature and culture, we develop educational tools, projects with environmental and social impacts, through creation, awareness and community mobilization.

As the planet undergoes profound changes, we inspire positive collective awareness and real change by touching people's hearts.

About us

We are a community passionately committed to protecting the St. Lawrence's and ocean coastlines.

Blue Organization and its volunteers have been working for 5 years to study, restore shorelines, fight plastic pollution and raise awareness of the importance of preserving our precious coastline.

We protect what we love.



GENERAL INFORMATION

A data dictionary, a fundamental element in the design and analysis of any research project, serves as the cornerstone for ensuring the integrity, accuracy and accessibility of the data collected and analyzed. This methodical and detailed document provides an exhaustive description of the variables, records and data structures used throughout the study, acting not only as a roadmap for the research team's navigation and interpretation of the data, but also as an indispensable guide for peers and future researchers seeking to understand, replicate or extend the results obtained. In the context of this report, the data dictionary stands not only as a tool for transparency and methodological rigor, but also as a commitment to academic excellence and integrity, enabling in-depth analysis and accurate interpretation of the data underlying our findings.

For more information on how the database was produced, please refer to the report *Plastic Pollution in Eastern Canada from the Great Lakes to Newfoundland*.

DATA

DESCRIPTION

Table 1 : Portrait of the cleaning activity

Code	Component	Description
ID	VILLE_ANNEE	City and year of clean-up
SITE	NOM DU SITE	Name of clean-up site
ANNEE_MOIS	ANNEE_MOIS	Year and month of clean-up
LOCATION_TYPE	Type de localisation	Name of hydric region
LAT	Latitude	Geographic coordinates
LONG	Longitude	Geographic coordinates
ADMIN_REGION	Administrative_Region	Province of Quebec: Economic administrative region.other Canadian provinces: Census division
AR_POP_TOT	Administrative_Region_population_total	Total population of economic administrative region or census division (Government of Canada, 2021). (1)
AR_POP_DENS_KM2	Administrative_Region_population_density_KM2	Population density per km ² (Government of Canada, 2021).
EMBOUCHURE	Embouchure	One or more river mouths within 5 km of the clean-up site.
POINT_SOURCE_POLLUTION	Point_Source_Pollution	Presence of discharges and/or outlets near the site.
TOTAL_MASS_KG	Total_Mass_Kilogram	Total weight of waste collected in kilograms (kg).
AREA_HA	Site_Hectare	Area cleaned in hectares (ha).
DENSITY	Density	Quantity of plastic per unit area (in this case, 1 hectare).
VOLUNTEERS	Volunteer	Number of volunteers who took part in the clean-up.

(1) Gouvernement du Canada. (2021). Census Profil, 2016 Census. Statistique Canada.
<https://www12.statcan.gc.ca/census-recensement/2016/dp-pd/prof/index.cfm?Lang=E>



MP_C1_RES_BR_DENS	MacroPlastic_Category1_Resturation_B reuvage_Densite	Density/Category 1: Quantity of plastic per unit area (in this case, 1 hectare)
MP_C2_FUME_DENS	MacroPlastic_Category2_Fumeur_Den site	Density/Category 2 : Quantity of plastic per unit area (in this case, 1 hectare)
MP_C3_EMBA_DENS	MacroPlastic_Category3_Emballages_ Densite	Density/Category 3 : Quantity of plastic per unit area (in this case, 1 hectare)
MP_C4_CONTE_DENS	MacroPlastic_Category4_Contenants_ Densite	Density/Category 4 : Quantity of plastic per unit area (in this case, 1 hectare)
MP_C5_PE_CH_DENS	MacroPlastic_Category5_Peche_Chass e_Densite	Density/Category 5 : Quantity of plastic per unit area (in this case, 1 hectare)
MP_C6_HYG_DENS	MacroPlastic_Category6_Hygiene_Den site	Density/Category 6 : Quantity of plastic per unit area (in this case, 1 hectare)
MP_C7_MRCX_DENS	MacroPlastic_Category7_Morceaux_D ensite	Density/Category 7 : Quantity of plastic per unit area (in this case, 1 hectare)
MP_C8_CONSTR_DE NS	MacroPlastic_Category8_Cosntruction _Densite	Density/Category 8 : Quantity of plastic per unit area (in this case, 1 hectare)
MP_C9_DIVERS_DEN S	MacroPlastic_Category9_Divers_Densit e	Density/Category 9 : Quantity of plastic per unit area (in this case, 1 hectare)
MP_C10_AUTR_DEN S	MacroPlastic_Category10_Autres_Den site	Density/Category 10: Quantity of plastic per unit area (in this case, 1 hectare)
MP_C11_DROG_DEN S	MacroPlastic_Category11_Drogue_De nsite	Density/Category 11: Quantity of plastic per unit area (in this case, 1 hectare)

Table 2 : Waste category

Component	Description	Component
MP_C1_RES_BR	MacroPlastic_Category1_Resturation_Breuvage	1_Waste category: Fast food/drinks
MP_C2_FUME	MacroPlastic_Category2_Fumeur	2_Waste category: Smoking products
MP_C3_EMBA	MacroPlastic_Category3_Emballages	3_Waste category: Packaging
MP_C4_CONTE	MacroPlastic_Category4_Contenants	4_Waste category: Containers
MP_C5_PE_CH	MacroPlastic_Category5_Peche_Chasse	5_Waste category: Fishing / hunting gear
MP_C6_HYG	MacroPlastic_Category6_Hygiene	6_Waste category: Personal hygiene
MP_C7_MRCX	MacroPlastic_Category7_Morceaux	7_Waste category: Pieces
MP_C8_CONSTR	MacroPlastic_Category8_Cosntruction	8_Waste category: Construction
MP_C9_DIVERS	MacroPlastic_Category9_Divers	9_Waste category: Various
MP_C10_AUTR	MacroPlastic_Category10_Autres	10_Waste category: Other
MP_C11_DROG	MacroPlastic_Category11_Drogue	11_Waste category: Marijuana and drugs



Table 3: Waste subcategories

Component	Description	Component
MP_C1_SAC_01	MacroPlastic_Category1_Sac_01	1.1_Type of waste: Plastic bag
MP_C1_BOOUT_P_02	MacroPlastic_Category1_Bouteille_Plastique_02	1.2_Type of waste: Plastic bottle
MP_C1_BOOUT_V_03	MacroPlastic_Category1_Bouteille_verre_03	1.3_Type of waste: Glass bottle
MP_C1_CAN_04	MacroPlastic_Category1_Canette_04	1.4_Type of waste: Aluminum cans
MP_C1_BOU_B_05	MacroPlastic_Category1_Bouchon_biere_05	1.5_Type of waste: Beer cap
MP_C1_BOU_P_06	MacroPlastic_Category1_Bouchon_plastique_06	1.6_Type of waste: Plastic cap
MP_C1_VER_P_07	MacroPlastic_Category1_Verre_Plastique_07	1.7_Type of waste: Plastic glass
MP_C1_TAS_STY_08	MacroPlastic_Category1_Tasse_Styro mousse_08	1.8_Type of waste: Styrofoam coffee cup
MP_C1_TAS_CARP_09	MacroPlastic_Category1_Tasse_carton plastique_09	1.9_Type of waste: Laminated cardboard coffee cup
MP_C1_TAS_CARC_10	MacroPlastic_Category1_Tasse_carton compostable_10	1.10_Type of waste: Compostable cardboard coffee cup
MP_C1_COUV_11	MacroPlastic_Category1_Couvercle_11	1.11_Type of waste : Single-use coffee and beverage lids
MP_C1_TETRA_12	MacroPlastic_Category1_TetraPac_12	1.12_Type of waste: Tetrapac
MP_C1_JUS1L_13	MacroPlastic_Category1_Jus1Litre_13	1.13_Type of waste: Juice jug (1l and more)
MP_C1_AT_6CAN_14	MacroPlastic_Category1_Attache_6canettes_14	1.14_Type of waste: ring for 6-can pack
MP_C1_PAIL_MEL_15	MacroPlastic_Category1_Paille_Melangeur_15	1.15_Type of waste: Straw and mixers
MP_C1_USTEN_16	MacroPlastic_Category1_Ustensil_16	1.16_Type of waste: Utensils
MP_C2_CIG_01	MacroPlastic_Category2_Cigarette_01	2.1_Type of waste: Cigarette butts
MP_C2_MEGOT_P_02	MacroPlastic_Category2_Megot_Plastique_02	2.2_Type of waste: Plastic butts (prime time)
MP_C2_CIGELEC_03	MacroPlastic_Category2_CigaretteElectronique_03	2.3_Type of waste: Electronic cigarette refill
MP_C2_BRIQ_04	MacroPlastic_Category2_Briquet_04	2.4_Type of waste: Lighters



MP_C3_EMB_CIG_01	MacroPlastic_Category3_Emballage_Cigarette_01	3.1_Type of waste: Cigarette pack
MP_C3_BON_GAT_02	MacroPlastic_Category3_Bonbon_Gateau_02	3.2_Type of waste: Sweets/cakes
MP_C3_CHIP_03	MacroPlastic_Category3_Chips_03	3.3_Type of waste: Chips
MP_C3_BART_04	MacroPlastic_Category3_BarreTendre_04	3.4_Waste type: Ash bar pack
MP_C3_ZIPLO_05	MacroPlastic_Category3_Ziploc_05	3.5_Type of waste: Ziploc
MP_C3_FEUIL_P_06	MacroPlastic_Category3_Feuille_Plastique_06	3.6_Waste type: Plastic sheet (very large)
MP_C3_AUTRE_07	MacroPlastic_Category3_Autre_07	3.7_Type of waste: Other
MP_C4_JUG_01	MacroPlastic_Category4_Jug_01	4.1_Type of waste: Jug bleach, vinegars and oils, windshield washer fluid...
MP_C4_REUTILI_02	MacroPlastic_Category4_Reutilisable_02	4.2_Type of waste: Reusable bottles and cups
MP_C4_CONT_STY_03	MacroPlastic_Category4_Contenant_styro mousse_03	4.3_Type of waste: Styrofoam containers (take out containers)
MP_C4_CONT_P_04	MacroPlastic_Category4_Contenant_plastique_04	4.4_Type of waste: Plastic containers (take out containers)
MP_C4_ASS_P_05	MacroPlastic_Category4_Assiette_plastique_05	4.5_Type of waste: Plastic and styrofoam plates
MP_C4_POT_06	MacroPlastic_Category4_Pot_06	4.6_Type of waste : single-use snack container (e.g. dip on the go, yogurt container, compote container...)
MP_C4_PLAT_07	MacroPlastic_Category4_Plat_07	4.7_Type of waste: margarine containers, earthworms, etc.
MP_C4_TUPER_08	MacroPlastic_Category4_Tupperware_08	4.8_Type of waste : Tupperware
MP_C5_BOUE_S_01	MacroPlastic_Category5_Bouees_styro mousse_01	5.1_Type of waste: Styrofoam buoys
MP_C5_BOUE_P_02	MacroPlastic_Category5_Bouees_Plastique_02	5.2_Type of waste: plastic buoys
MP_C5_FILET_03	MacroPlastic_Category5_Filet_03	5.3_Type of waste: Fishing nets
MP_C5_CORD_04	MacroPlastic_Category5_Cordage_04	5.4_Type of waste: Fishing rope
MP_C5_HAM_05	MacroPlastic_Category5_Hamecons_05	5.5_Type of waste: Fish hooks
MP_C5_FIL_06	MacroPlastic_Category5_Fil_06	5.6_Type of waste: Fishing line
MP_C5_SHOTG_07	MacroPlastic_Category5_ShotGun_07	5.7_Type de déchet : Shot guns
MP_C5_TAG_HOM_08	MacroPlastic_Category5_Tag_homard_08	5.8_Type of waste: Lobster tags
MP_C5_CAG_HOM_09	MacroPlastic_Category5_Cage_Homard_09	5.9_Type of waste: Lobster cage

MP_C5_ATT_HOMA_10	MacroPlastic_Category5_Attache_Homard_10	5.10_Type of waste: Lobster claw fastener
MP_C5_CAGE_MOULE_11	MacroPlastic_Category5_Cage_Moule_11	5.11_Type of waste: Mould cage
MP_C5_CANNE_12	MacroPlastic_Category5_Canne_12	5.12_Type of waste: Fishing rods
MP_C6_BOUT_01	MacroPlastic_Category6_Bouteille_01	6.1_Type of waste: Shampoo, soap and cream bottles
MP_C6_LEVRE_02	MacroPlastic_Category6_Levre_02	6.2_Type of waste: lipstick, lip balm
MP_C6_MAQUI_03	MacroPlastic_Category6_Maquillage_03	6.3_Type of waste: Make-up
MP_C6_PICS_04	MacroPlastic_Category6_PicSoie_04	6.4_Type of waste: Dental floss tips
MP_C6_TAMP_05	MacroPlastic_Category6_Tampon_05	6.5_Type of waste: Tampon
MP_C6_DENT_06	MacroPlastic_Category6_Dent_06	6.6_Type of waste: Toothbrush
MP_C6_LING_07	MacroPlastic_Category6_Lingette_07	6.7_Type of waste: Wipes
MP_C6_QTIP_08	MacroPlastic_Category6_QTips_08	6.8_Type of waste: Q-tips (ear picks)
MP_C6_SERIN_09	MacroPlastic_Category6_Seringue_09	6.9_Type of waste: Syringes, pill jars
MP_C6_COND_10	MacroPlastic_Category6_Condoms_10	6.10_Type of waste: Condoms
MP_C6_SANI_11	MacroPlastic_Category6_Sanitaire_11	6.11_Type of waste: sanitary towels and diapers
MP_C6_MASQUE_12	MacroPlastic_Category6_masques_12	6.12_Type of waste: Masks (blue)
MP_C6_GANT_LAT_13	MacroPlastic_Category6_Gant_Latex_13	6.13_Type of waste: Latex glove
MP_C7_PT_STY_01	MacroPlastic_Category7_Petit_Styromousse_01	7.1_Type of waste: Small Styrofoam
MP_C7_GR_STY_02	MacroPlastic_Category7_Gros_Styromousse_02	7.2_Type of waste: Large Styrofoam
MP_C7_MRCX_P_03	MacroPlastic_Category7_Morceaux_Plastique_03	7.3_Type of waste: Pieces of plastic
MP_C8_CONS_01	MacroPlastic_Category8_Construction_01	8.1_Type of waste: paint, bricks, cardboard, pvc, melamine, furniture...
MP_C8_METAL_02	MacroPlastic_Category8_Metal_02	8.2_Type of waste: Metal/iron
MP_C8_PNEUS_03	MacroPlastic_Category8_Pneus_03	8.3_Type of waste: Tires
MP_C8_MECA_04	MacroPlastic_Category8_Mecanique_04	8.4_Type of waste: Mechanical (engines, alternators, etc.)

MP_C9_VET_01	MacroPlastic_Category9_Vetement_01	9.1_Type of waste: Clothes
MP_C9_SOUL_02	MacroPlastic_Category9_Soulier_02	9.2_Type of waste: Shoes
MP_C9_JOUET_03	MacroPlastic_Category9_Jouets_03	9.3_Type of waste: Toys
MP_C9_BALLON_04	MacroPlastic_Category_Ballon_04	9.4_Type of waste: Balloons
MP_C9_RUB_BAL_05	MacroPlastic_Category9_Ruban_Ballon_05	9.5_Type of waste: Balloon ribbons and ties
MP_C10_CRAYON_01	MacroPlastic_Category10_Crayon_01	10.1_Type of waste: Pencil
MP_C10_BOU_OREIL_02	MacroPlastic_Category10_Bouchon_Oreilles_02	10.2_Type of waste: Earplugs
MP_C10_BIOFILM_03	MacroPlastic_Category10_Biofilm_03	10.3_Waste type: Biofilm
MP_C10_CUP_KEURIG_04	MacroPlastic_Category10_Cup_Keurig_04	10.4_Type of waste: Keurig cup
MP_C10_BOMBON_AERO_05	MacroPlastic_Category10_Bombonne_Aerosol_05	10.5_Type of waste: Propane tank / aerosol can
MP_C10_ARTEFACT_06	MacroPlastic_Category10_Artefact_06	10.6_Type of waste : Artifact
MP_C10_VELO_07	MacroPlastic_Category10_velo_07	10.7_Type of waste: Bicycle
MP_C10_CONE_08	MacroPlastic_Category10_Cone_08	10.8_Waste type: Orange cone
MP_C10_BARRIERE_09	MacroPlastic_Category10_Barriere_09	10.9_Type of waste: Barrier
MP_C10_ELECTRO_10	MacroPlastic_Category10_electronique_10	10.10_Type of waste: Electronics
MP_C10_POT_PLANTE_11	MacroPlastic_Category10_pot_plante_11	10.11_Type of waste: Plant pot
MP_C10_TAPIS_12	MacroPlastic_Category10_Tapis_12	10.12_Type of waste: Carpets
MP_C10_FLEUR_ARTIFIELLE_13	MacroPlastic_Category10_Fleur_artificielle_13	10.13_Type of waste: Artificial flower
MP_C10_PANCARTE_14	MacroPlastic_Category10_Pancarte_14	10.14_Type of waste: Election signs
MP_C10_FEU_ARTIFICE_15	MacroPlastic_Category10_Feux_artifice_15	10.15_Type of waste: Fireworks
MP_C10_PANIER_16	MacroPlastic_Category10_Panier_16	10.16_Type of waste: Grocery basket
MP_C10_SAC_COUCHAGE_17	MacroPlastic_Category10_Sac_Couchage_17	10.17_Type of waste: Sleeping bag
MP_C10_AQUATIQUE_18	MacroPlastic_Category10_Aquatique_18	10.18_Type of waste: aquatic item
MP_C10_CHEVEUX_19	MacroPlastic_Category10_Cheveux_19	10.19_Type of waste: Hair accessory

MP_C10_CHAUDIERE_20	MacroPlastic_Category10_Chaudiere_20	10.20_Type of waste : Plastic pail
MP_C10_POT_VERRE_21	MacroPlastic_Category10_Pot_verre_21	10.21_Type of waste: Glass jar
MP_C10_SELLANT_BOU_22	MacroPlastic_Category10_Scellant_Bouchon_22	10.22_Type of waste: Cap sealant
MP_C10_TIEWRAP_23	MacroPlastic_Category10_Tiewrap_23	10.23_Type of waste : Tie Wrap
MP_C10_GLACIERE_24	MacroPlastic_Category10_Glaciere_24	10.24_Type of waste: Cooler
MP_C10_BALAIS_25	MacroPlastic_Category10_Balais_25	10.25_Type of waste: Brooms
MP_C10_PLOMBERIE_26	MacroPlastic_Category10_Plomberie_26	10.26_Type of waste: Plumbing
MP_C10_CHAMBREAIR_27	MacroPlastic_Category10_ChambreAir_27	10.27_Type of waste: Inner tube
MP_C10_CAFET_28	MacroPlastic_Category10_Cafeteria_28	10.28_Type of waste: Cafeteria item
MP_C10_QUAIES_29	MacroPlastic_Category10_Quaies_29	10.29_Type of waste: Staves
MP_C10_PELLE_30	MacroPlastic_Category10_Pelle_30	10.30_Type of waste: Shovel
MP_C10_BBQ_31	MacroPlastic_Category10_BBQ_31	10.31_Type of waste: barbecue
MP_C10_POTEAU_NEIGE_32	MacroPlastic_Category10_Poteau_Neige_32	10.32_Type of waste: Snow pole
MP_C10_BARIL_33	MacroPlastic_Category10_Baril_33	10.33_Type of waste: Oil drum
MP_C10_SAC_REUTILISABLE_34	MacroPlastic_Category10_Sac_Reutilisable_34	10.34_Type of waste: Reusable bag
MP_C10_PARAPLUIE_35	MacroPlastic_Category10_Parapluie_35	10.35_Type of waste: Umbrella
MP_C10_BOULLEDISCO_36	MacroPlastic_Category10_BouleDisco_36	10.36_Type of waste: Disco ball
MP_C10_ARTICLE_CUISINE_37	MacroPlastic_Category10_Article_Cuisine_37	10.37_Type of waste: Kitchenware
MP_C10_CHAINE_38	MacroPlastic_Category10_Chaine_38	10.38_Waste type: Chain
MP_C10_MRCX_TEXTILE_39	MacroPlastic_Category10_Morceaux_Textile_39	10.39_Type of waste: Textile scraps
MP_C10_PLASTER_40	MacroPlastic_Category10_Plaster_40	10.40_Type of waste: Medical plaster
MP_C10_CAOUTCHOU_41	MacroPlastic_Category10_Caoutchouc_41	10.41_Waste type: Rubber
MP_C10_ACCESSOIRE_MODE_42	MacroPlastic_Category10_Accessoire_Mode_42	10.42_Type of waste: Fashion accessory



MP_C10_PELLICULE_PLAS_47	MacroPlastic_Category10_Pellicule_Plastique_47	10.47_Type of waste: Plastic film
MP_C10_AUTOCOLLANT_48	MacroPlastic_Category10_Autocollant_48	10.48_Type of waste: Sticker
MP_C10_ALUMINIUM_49	MacroPlastic_Category10_Aluminium_49	10.49_Waste type: Aluminium
MP_C10_CISEAU_50	MacroPlastic_Category10_Ciseau_50	10.50_Type of waste: Scissors
MP_C10_SIFFLET_51	MacroPlastic_Category10_Sifflet_51	10.51_Type of waste: Whistle
MP_C10_ECHELLE_52	MacroPlastic_Category10_Echelle_52	10.52_Waste type: Scale
MP_C10_GEOTEXTILE_53	MacroPlastic_Category10_GeoTextile_54	10.53_Type of waste: geotextile membrane
MP_C10_COUV_CHAUD_54	MacroPlastic_Category10_Couvercle_Chaudiere_54	10.54_Type of waste : Plastic pail cover
MP_C10_TAPE_MESURER_55	MacroPlastic_Category10_Tape_Mesurer_55	10.55_Type of waste: Tape measure
MP_C10_FILTRE_EPUR_56	MacroPlastic_Category10_Filtre_Epuration_56	10.56_Waste type: Purification filter
MP_C10_RAIL_SKIDOO_57	MacroPlastic_Category10_Rail_Skidoo_57	10.57_Type of waste: skidoo rail
MP_C11_POT_MARIJUANA_1	MacroPlastic_Category11_Pot_Marijuana_1	11.1_Type of waste: marijuana container
MP_C11_PREROULE_2	MacroPlastic_Category11_PreRoules_2	11.2_Type of waste: Pre-rolled tube
MP_C11_POCHETTE_P_3	MacroPlastic_Category11_PechettePlastique_3	11.3_Type of waste: Plastic bags
MP_C11_SACHET_DROGUE_4	MacroPlastic_Category11_Sachet_Drogu_4	11.4_Type of waste: Drug bag



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Recommended citation

Asselin, A-M., Martel, L., Gagnon P-O, et Sarran, C. (2024). Amélioration des données publiques sur la prévalence des produits en plastique dans l'environnement : Jeu de données. Organisation Bleue.