

Surveys Act
Loi sur l'arpentage

R.R.O. 1990, REGULATION 1028

ONTARIO CO-ORDINATE SYSTEM

Consolidation Period: From December 31, 1990 to the e-Laws currency date.

No amendments.

This Regulation is made in English only.

1. In this Regulation,

“co-ordinate survey” means a survey made for the purpose of establishing the location of points on the surface of the earth by geographic or grid co-ordinates;

“System” means the Ontario Co-ordinate System. R.R.O. 1990, Reg. 1028, s. 1.

2. (1) The system of co-ordinate surveys known as the Ontario Co-ordinate System is continued. R.R.O. 1990, Reg. 1028, s. 2 (1).

(2) The System is a universal transverse Mercator projection modified to a 3 degree zone of the Clarke spheroid of 1866. R.R.O. 1990, Reg. 1028, s. 2 (2).

3. (1) For the purposes of identification of co-ordinates of points in the System, Ontario is divided into ten zones that are numbered 8 to 17. R.R.O. 1990, Reg. 1028, s. 3 (1).

(2) The reference meridian for a zone mentioned in an item of Column 1 of Schedule 1 is the meridian of longitude shown opposite thereto in Column 2 of the item and is the Y-axis of the zone. R.R.O. 1990, Reg. 1028, s. 3 (2).

(3) The X-axis of a zone is the equator. R.R.O. 1990, Reg. 1028, s. 3 (3).

(4) Subject to subsection (5), a zone is the part of Ontario lying within the limits of a 3 degree zone on the Clarke spheroid of 1866. R.R.O. 1990, Reg. 1028, s. 3 (4).

(5) Zones 10 and 11 do not extend north of and zones 12 and 13 do not extend south of a line described as follows:

Beginning at the intersection of the boundary between Ontario and Quebec with meridian of longitude 79°30'; thence south along that meridian to parallel of latitude 47°00'; thence west along that parallel to meridian of longitude 80°15'; thence south along that meridian to parallel of latitude 46°00'; thence west along that parallel to its intersection with the boundary between Canada and the United States of America.

R.R.O. 1990, Reg. 1028, s. 3 (5).

4. In the System, the scale factor at a reference meridian is 0.99990. R.R.O. 1990, Reg. 1028, s. 4.

5. In the System, the co-ordinates of a point,

(a) depend upon and shall be adjusted to the North American datum, 1927 adjustment;

(b) shall be expressed in feet and decimals of a foot; and

(c) shall be expressed as two terms, the first being the X or easting co-ordinate and the second being the Y or northing co-ordinate. R.R.O. 1990, Reg. 1028, s. 5.

6. In the System, the origin of co-ordinates in a zone is the intersection of the reference meridian of the zone and the equator and has a northing co-ordinate of zero feet and an easting co-ordinate of 1,000,000 feet. R.R.O. 1990, Reg. 1028, s. 6.

7. In the System, the direction of a line shall be expressed as a grid azimuth. R.R.O. 1990, Reg. 1028, s. 7.

8. (1) In the System, in converting metres to feet the number of metres shall be divided by 0.3048000. R.R.O. 1990, Reg. 1028, s. 8 (1).

(2) In the System, in converting feet to metres the number of feet shall be divided by 3.2808399. R.R.O. 1990, Reg. 1028, s. 8 (2).

SCHEDULE 1

Item

Column 1

Column 2

Zone

Reference Meridian

1

8

73°30'

2

9

76°30'

3

10

79°30'

4

11

82°30'

5

12

81°00'

6

13

84°00'

7

14

87°00'

8
15
90°00'

9
16
93°00'

10
17
96°00'

R.R.O. 1990, Reg. 1028, Sched. 1.