26—HYDROLOGIC FEATURES

	20—IT DIOLOGIC FEATURES						
REF NO	DESCRIPTION	SYMBOL	CARTOGRAPHIC SPECIFICATIONS	NOTES ON USAGE			
26.1—Hydrography and hydrologic feature indentification symbology							
26.1.1	Alkali flat	(Alkali Flat	lineweight .175 mm H-7 dash 1.75 mm; (Alkali Flat) space .5 mm line color 100% cyan				
26.1.2	Large, dammed reservoir		Fill color 20% cyan line weight .2 mm; line color 100% cyan				
26.1.3	Small reservoir		fill color 20% cyan lineweight .15 mm				
26.1.4	Covered reservoir		lineweight .15 mm				
26.1.5	Glacier or permanent snowfield—Showing glacial trend		line veight .175 mm; pattern 502-C (rotated space .5 mm perpendicular to glacial trend)				
26.1.6	Salt evaporator	Salt Evaporator	H-7→Salt Evaporator line color 100% cyan				
26.1.7	Inundation area		lineweight .175 mm; pattern 231-C dash 1.75 mm; (at 90°) space .5 mm line color 100% cyan				
26.1.8	Fish hatchery or farm	Fish Hatchery	lineweight .15 mm H-7 Fish fill color Hatchery 20% cyan				
26.1.9	Industrial water impoundment	Industrial Water Impoundment	Industrial Water Impoundment fill color 20% cyan				
26.1.10	Area to be submerged		lineweights 2 mm lineweight 3 mm in 100% cyan in 100% black pattern 201-C fill color (at 135°)				
26.1.11	Sewage disposal or filtration pond	Sewage Disposal	H-7 Sewage Disposal pattern 201-C (at 135°)				
26.1.12	Tailings pond	Tailings Pond	Tailings line color 100% brown H-7 Pond lineweight 175 pattern 422-B mm; dash 2.0 mm; space 0.5 mm				
26.1.13	Marsh, wetland, swamp, or bog		pattern 420-C				
26.1.14	Mangrove area		pattern 424-C				
26.1.15	Rice field		pattern 423-C 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
26.1.16	Cranberry bog	Cranberry Bog	lineweight .175 mm Cranberry line color 100% cyan H-7 Bog pattern 425-C				
26.1.17	Tidal, mud, sand, or gravel flats	Tidal Flat	lineweight .15 H-7 Tidal Flat pattern 421-K dash 1.75 mm; space .5 mm 20% cyan				
26.1.18	Coastline of bay, estuary, gulf, ocean, or sea		line color 100% cyan				
26.1.19	Shoal	Shoal	lineweight .2 mm dash .2 mm; H-7 Shoal space .425 mm				
26.1.20	Soda evaporator	Soda Evaporator	H-7 Soda Evaporator line color 100% cyan				

DEE NO	DESCRIPTION	SYMPOL	CARTOGRAPHIC SPECIFICATIONS	NOTES ON USAGE		
REF NO		SYMBOL drologie feature indent		NOTES ON USAGE		
	26.1—Hydrography and hydrologic feature indentification symbology (continued)					
26.1.21	Shoreline		lineweight .2 mm			
			line color 100% cyan			
	Managada ahayeliya	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	all line colors 100% cyan lineweight .15 mm;			
26.1.22	Manmade shoreline		dash 1.75 mm;			
			lineweight .2 mm space .5 mm			
26.1.23	Indefinite shoreline					
			line color 100% cyan dash 1.75 mm; space .5 mm			
00.1.04	Apparent limit of water body	Apparent Limit	H-7→ Apparent Limit			
26.1.24	Apparent limit of water body	1,4	lineweight .15 mm; line color 100% cyan			
			lineweight .2 mm			
26.1.25	Outline of a Carolina bay		dash 1.75 mm;			
			line color 100% cyan space .5 mm			
26.1.26	Danger curve	Danger Curve	lineweight .15 mm / H-7 Danger Curve			
2020	Bullger curve	<u></u>	dash .375 mm; space .375 mm			
	Spring as shown on general purpose or amelia-		lineweight .15 mm draft as shown	Rotate tail to point in		
26.1.27	Spring, as shown on general-purpose or smaller scale maps	Spring _∼	H-7 → Spring ∠	downhill direction of flow.		
	·		line color 100% cyan circle diameter 1.0 mm lineweight .15 mm ,H-7	now.		
26.1.28	Nonflowing well, as shown on general-purpose or	Nonflowing	Nonflowing			
	smaller scale maps	Well	Well line color 100% cyan circle diameter 1.0 mm			
	Flowing well, as shown on general-purpose or	Flowing	lineweight .15 mm H-7 Flowing			
26.1.29	smaller scale maps	Well	Well			
			line color 100% cyan circle diameter 1.0 mm			
26.1.30	Riser	Riser	H-7_Riser_ \frac{\psi}{\psi}			
			→ 1.75 mm			
26.1.31	Geyser, as shown on general-purpose or smaller	Geyser	lineweight .15 mm H-7 Geyser			
20.1.01	scale maps		line color 100% cyan circle diameter 1.0 mm			
			all lineweights .15 mm			
26.1.32	Windmill	Windmill _ž	H-7→Windmill ★ ★ 1.25 mm			
			angles 110°, 70°			
26.1.33	Rapids on single-line drainage	Rapids 🝾	Rapids 4 line colors			
		Rapias *	hachure height 1.25 mm; spacing .5 mm			
		Van. A	all line colors 100% cyan TBI-7			
26.1.34	Rapids on double-line drainage	Rapids (1997)	.125 mm; height .825			
			mm; spacing .425 mm lineweight .2 mm all line colors 100% cyan			
26.1.35	Falls on single-line drainage	Falls	all line colors 100% cyarl TBI-7 all lineweights .2 mm hachure height 1.25 mm			
26.1.36	Falls on double-line drainage	\ \ \	TBI-7 all line colors 100% cyan			
	i and on double-line dramage	Falls \\\	Falls .125 mm; height .825 lineweight .2 mm mm; spacing .425 mm			
			circle diameter 3.0 mm arrow length 2.5 mm;			
26.1.37	Gravel pit or quarry filled with water	⊗	arrowhead .75 mm x .75 mm x .75 mm			
			all lineweights .15 mm			
26.1.38	Gaging station, as shown on general-purpose or	Gaging Station	lineweight .15 mm Gaging			
	smaller scale maps	Station *	Station Circle diameter 1.25 mm			
		Dumping	H-7. Pumping * Station * ** .875 mm			
26.1.39	Pumping station	Pumping Station	Station <u>▼</u> Station T			
			≯			
26.1.40	Water intake	0				
			circle diameter 1.75 mm dot diameter .375 mm			

REF NO	DESCRIPTION	SYMBOL	CARTOGRAPHIC SPECIFICATIONS	NOTES ON USAGE
HEF NO				NOTES ON USAGE
	20.1—Hydrography and hy	urologic leature indentil	fication symbology (continued)	
26.1.41	Dam or weir		spacing lineweight .3 mm color fill 20% cyan lineweights .2 mm; line colors 100% cyan	
26.1.42	Canal lock or sluice gate	Lock	lineweight 2 mm; line color 100% cyan Lock H-7 wing lineweight 1.15 mm; minimum length. 575 mm	
26.1.43	Spillway	SPILLWAY	HI-5 <u>SPILLWAY</u> lineweight .175 mm dash 1.75 mm; space .5 mm line and text color 100% cyan	
26.1.44	Gate (flood, tidal, head, or check)	Gate	lineweight .2 mm; line color Gate H-7 100% cyan bar lineweight .25 mm; length 1.5 mm	
26.1.45	Rock	Rock *	H-7 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
26.1.46	Crevasse	////	lineweight .15 mm length and spacing may vary	
26.1.47	Stream—Perennial		line weight .2 mm	
26.1.48	Stream—Intermittent, type 1		lineweight .15 mm	
26.1.49	Stream—Intermittent, type 2		line weight .2 mm dash length 4.0 mm line color dot diameter .3 mm; 100% cyan spacing .625 mm	
26.1.50	Braided stream—Perennial		line color 100% cyan	
26.1.51	Braided stream—Intermittent		lineweight .15 mm	
26.1.52	Ditch—Perennial	<u>DITCH</u>	lineweight .2 mm DITCH HI-5 line and text color 100% cyan	
26.1.53	Ditch—Intermittent	DITCH	lineweight .15 mm DITCH HI-5 line and text color 100% cyan	
26.1.54	Aqueduct—Perennial		lineweight .2 mm fill color 20% cyan spacing may vary line color 100% cyan	
26.1.55	Aqueduct—Intermittent		lineweight .15 mm fill color 20% cyan spacing may vary line color 100% cyan	
26.1.56	Flume—Perennial	<u>FLUME</u>	all lineweights .2 mm HI-5 line and text color 100% cyan angle 45° dash 1.25 mm; space .5 mm	
26.1.57	Flume—Intermittent		all lineweights .15 mm HI-5 line and text color .575 mm; dash 1.25 mm; space .5 mm	
26.1.58	Penstock—Perennial	PENSTOCK	all lineweights .2 mm /HI-5 line and wing length PENSTOCK text color .575 mm; dash 1.25 mm; space .5 mm	
26.1.59	Penstock—Intermittent	PENSTOCK	all lineweights .15 mm / HI-5 line and text color .575 mm; angle 45° dash 1.25 mm; space .5 mm	

REF NO	DESCRIPTION	SYMBOL	CARTOGRAPHIC SPECIFICATIONS	NOTES ON USAGE
I ILI: INO			fication symbology (continued)	NOTES ON SOAGE
	20.1—Hydrography and Hy	arologic leature indenti		
26.1.60	Siphon—Perennial	SIPHON	dash 2.5 mm; space .5 mm SIPHON	
26.1.61	Siphon—Intermittent	SIPHON	line and text color 100% cyan lineweight .15 mm dash 2.5 mm; space .5 mm SIPHON	
			line and text color 100% cyan	
26.1.62	Channel in open water—Perennial	CHANNEL	Inneweight .2 mm; dash 2.5 mm; CHANNEL HI-5 space .5 mm CHANNEL spacing space .5 mm may vary line and text color 100% cyan; fill color 20% cyan	
26.1.63	Channel in open water—Intermittent	CHANNEL	line and text color 100% cyan; fill color 20% cyan	
26.1.64	Wash or ephemeral drain		pattern 421-B	
26.1.65	Lake or pond		lineweight .2 mm fill color line color 100% cyan fill color 20% cyan	
26.1.66	Coral reef	^{દેવ} હૃદ્દદુદુઅલ વર્ષ	lineweight (coastline) .2 mm in 100% cyan lineweight (coral reef) .125 mm ोद्दार्थितास्त्र fill color 20% cyan	
26.1.67	Sand in open water, type 1	Sand	lineweight .175 mm H-7 dash .175 mm; Sand fill color space .375 mm 20% cyan	
26.1.68	Sand in open water, type 2	Sand:	pattern 421-K Sand H-7 fill color 20% cyan	
26.1.69	Spoil area in open water	SPOIL AREA	lineweight .175 mm SPOIL dash 2.5 mm; space .5 mm fill color 20% cyan	
26.1.70	Right bank	Right bank	all lineweights .2 mm Right bank Left bank	
26.1.71	Left bank	Left bank	line color 100% cyan arrow length 7.0 mm; arrowhead angle 25°	
26.1.72	Submerged or sunken hydrologic feature	SUBMERGED JETTY	lineweight .2 mm line and text color 100% cyan HI-5 > SUBMERGED JETTY dash 2.0 mm; space 1.0 mm	
26.1.73	Dry hydrologic feature		lineweight .15 mm line color dash 2.0 mm; space .5 mm pattern 119-C	
26.1.74	Salt	Salt	H-7 Salt	
26.1.75	Mineral or hot spring (such as sulfur or alkali)	Sulfur	H-7 Sulfur	
26.1.76	Water surface elevation	ELEVATION 127	HI-7_ ELEVATION 127	
26.1.77	River mile	+ MILE + 460	lineweight .175 mm → + MILE → + 460 2.0 mm → *	

REF NO	DESCRIPTION	SYMBOL	CARTOGRAPHIC SPECIFICATIONS	NOTES ON USAGE
TILI IVO	BESSI III FISH	26.2—Water wells		110120 011 00/102
			lineweight .15 mm	Circle indicates specific
26.2.1	Water well—Type of use unspecified	0	diameter 1.75 mm	type of water-supply well; may be used alone
26.2.2	Well—Used for domestic-water supply	•	● diameter 1.75 mm	or in combination with various ornamentations shown below. May also be drawn in
26.2.3	Well—Used for stock-water supply	0	lineweight .2 mm O diameter 1.75 mm	cyan or other colors.
26.2.4	Well—Used for irrigation-water supply	©	outer circle diameter 2.0 mm; lineweight .2 mm inner circle diameter 1.125 mm; lineweight .15 mm	
26.2.5	Well—Used for industrial-water supply	•	circle diameter 2.0 mm; lineweight .2 mm dot diameter 1.125 mm	
26.2.6	Well—Used for public-water supply	0	lineweight .375 mm O diameter 2.0 mm	
26.2.7	Water well—Unused	ф	circle diameter 1.75 mm; lineweight .15 mm	
26.2.8	Artesian well	.	2.0 mm $\frac{\sqrt{20^{\circ}} \bigvee_{1} 1.25 \text{ mm}}{\sqrt{4}}$ arrow lineweight .15 mm circle diameter 1.75 mm; lineweight .2 mm	Although only shown with symbol used for stock-water supply well,
26.2.9	Nonflowing artesian well	8	radius .3125 mm 1.375 mm Ineweight	ornamentation may be added to any type of water-supply well symbol.
26.2.10	Water recharge or waste-injection well	8	$2.0 \text{ mm} \overset{\checkmark}{\nearrow} \overset{20^{\circ} \backslash }{\nearrow} \overset{\checkmark}{\nearrow} 1.25 \\ \overset{\checkmark}{\nearrow} mm \qquad \text{lineweight} \\ 1.5 \text{ mm} \\ \text{circle diameter 1.75 mm; lineweight .2 mm}$	May also be drawn in cyan or other colors.
26.2.11	Observation water well	Ø	circle diameter 1.75 mm; lineweight .2 mm > Q 3.75 mm 45° bar lineweight .3 mm	
26.2.12	Observation water well—Equipped with recorder	⊗ R	R ←H-6	
26.2.13	Abandoned water well	Ø	all lineweights .2 mm circle diameter	
26.2.14	Destroyed water well	×	all lineweights .2 mm y 3.75 mm circle diameter 1.75 mm 45" 3.75 mm	
26.2.15	Test hole for water	Φ	center bar .6 mm lineweights .15 mm > \bar{\Pi} \bar{\Pi} \circle diameter 1.75 mm; lineweight .2 mm	
26.2.16	Water well—Capped	δ	1.25 mm \Rightarrow \downarrow all lineweights .2 mm circle diameter 1.75 mm	
26.2.17	Water well—Shut-in	Юч	all lineweights .2 mm ⊢O-l	
26.2.18	Dry hole—Water exploration	- ¢-	all lineweights .2 mm - \(\frac{\psi}{\pi} \) 1.0 mm circle diameter 1.75 mm	
26.2.19	Well—Used for collection of water data	-0-	all lineweights .2 mm 1.0 mm -O- circle diameter 1.75 mm	

DEE 116		OVARIO	, , , , , , , , , , , , , , , , , , ,	NOTES ON LIGACE	
REF NO	DESCRIPTION	SYMBOL	CARTOGRAPHIC SPECIFICATIONS	NOTES ON USAGE	
26.3—Water gaging stations					
26.3.1	Gaging station—Type of measurement unspecified	Δ	$\begin{array}{c} 60^{\circ} \\ 2.375 \text{ mm} \xrightarrow{\frac{1}{4}} \triangle \\ \text{lineweight .15 mm} \end{array}$	Triangle indicates spe- cific type of gaging sta- tion; may be used alone or in combination with	
26.3.2	Gaging station—Continuous-record	A	A	various ornamentations shown below. May be combined with	
26.3.3	Gaging station—Partial-record	À	lineweight .175 mm $\triangle \frac{\psi}{\hbar}$ 1.2 mm	symbols for quality-of- water sites; place trian- gle above and adjoining	
26.3.4	Measurement station without a gage	Δ	lineweight .2 mm	quality-of-water site symbol. Usually reserved for use on larger scale,	
26.3.5	Discontinued gaging station	ф	triangle lineweight .2 mm y bar lineweight 3.75 mm	special-purpose maps.	
26.3.6	Gaging station—Equipped with a telephone or radio	¥	1.25 mm $\stackrel{\forall}{+}$ $\stackrel{ \leftarrow }{-}$ "antenna" .875 mm \Rightarrow ineweight .175 mm	Although only shown with symbol used for continuous-record gag- ing station, ornamenta-	
26.3.7	Peak-flow measurement station		$2.0 \text{ mm} \rightarrow \underbrace{\begin{array}{c} 25^{\circ} \setminus \downarrow \\ + \\ 1.25 \text{ mm} \end{array}}_{\text{arrow}}$ lineweight .15 mm	tion may be added to any type of gaging sta- tion symbol.	
26.3.8	Low-flow measurement station	*	2.0 mm \rightarrow $\frac{4}{\sqrt{1.25}}$ mm arrow lineweight .15 mm		
26.3.9	Stage-measurement station	*	3.0 mm \Rightarrow $\frac{1}{4}$ 1.125 mm crossbar lineweight .2 mm		
		26.4—Quality-of-water s	sites		
26.4.1	Quality-of-water site—Type of measurement unspecified	∇	$2.375 \text{ mm} \xrightarrow{\frac{\Psi}{\hbar}} \bigvee$ lineweight .15 mm 60°	Inverted triangle indi- cates specific type of quality-of-water site; may be used alone or in	
26.4.2	Active quality-of-water site	▼	▼	combination with various ornamentations shown below.	
26.4.3	Active quality-of-water site—Equipped with a monitor	∇	lineweight .375 mm	May be combined with symbols for gaging sta- tions; place inverted tri-	
26.4.4	Inactive quality-of-water site	Ψ	triangle lineweight .2 mm 3.75 mm We bar lineweight .3 mm	angle below and adjoin- ing gaging station symbol.	
26.4.5	Quality-of-water site—Chemical measurement	*	1.25 mm bar lineweight .25 mm	Although only shown with symbol used for active quality-of-water	
26.4.6	Quality-of-water site—Temperature measurement	▼.	1.25 mm	site, ornamentation may be added to any type of quality-of-water site symbol.	
26.4.7	Quality-of-water site—Biological measurement	▼	1.25 mm HE V bar lineweight .25 mm		
26.4.8	Quality-of-water site—Sediment measurement	▼	1.25 mm → Ir bar lineweight .25 mm		

REF NO	DESCRIPTION	SYMBOL	CARTOGRAPHIC SPECIFICATIONS	NOTES ON USAGE			
TILI NO	DESCRIPTION		o, in real but the or Earlies in less than	NOTES ON SONGE			
	26.5—Springs						
26.5.1	Spring—Type of use unspecified	0~	all lineweights .15 mm radius .325 mm circle diameter 1.75 mm 2.0 mm	Circle and tail indicate specific type of spring; may be used alone or in combination with vari-			
26.5.2	Spring—Used for collection of water-quality data	⊙ ~	all lineweights .2 mm	ous ornamentations shown below.			
26.5.3	Spring—Used for domestic-water supply	•~	dot diameter 1.75 mm ◆ lineweight .2 mm	Rotate tail to point in downhill direction of flow.			
26.5.4	Spring—Used for irrigation-water supply	©~	outer circle diameter 2.0 mm; lineweight .2 mm Orange lineweight .2 mm inner circle diameter 1.125 mm; lineweight .15 mm	May also be drawn in cyan or other colors.			
26.5.5	Spring—Used for industrial-water supply	•~	all lineweights .2 mm				
26.5.6	Spring—Used for public-water supply	0~	circle diameter 2.0 mm; lineweight .375 mm				
26.5.7	Unused spring	φ~	circle diameter 1.75 mm spring symbol lineweight .2 mm 3.75 mm bar lineweight .3 mm				
26.5.8	Thermal spring	Τ _© ~	H-6 → T	Although only shown with symbol used for irrigation-water supply			
26.5.9	Mineral spring	^M ⊚~	H-6 → M _© ~	spring, ornamentation may be added to any type of spring symbol.			
26.5.10	Extinct spring	Ø ~	3.75 mm				
	26.6—	Miscellaneous hydrologi	c symbols				
26.6.1	Surface-water basin boundary		lineweight .6 mm dash length 7.5 mm dot diameter .625 mm; spacing .5 mm	May also be drawn in cyan or other colors.			
26.6.2	Surface-water subbasin boundary		lineweight .425 mm dash length 5.0 mm dot diameter .45 mm; spacing .5 mm				
26.6.3	Ground-water divide—Certain	•••••	dot diameter .675 mm; spacing .575 mm				
26.6.4	Ground-water divide—Approximately located	00000000000000	ooooooooooooo circle lineweight .15 mm; diameter .675 mm; spacing .575 mm				
26.6.5	Ground-water barrier—Certain	************	dot diameter .675 mm; spacing .575 mm				
26.6.6	Ground-water barrier—Approximately located	-00000000000000	lineweight .175 mm 				
26.6.7	Infiltration gallery		all lineweights .15 mm 1.75 mm → ← □□□□□□□□□□□ ↑ 1.125 mm .625 mm				
26.6.8	Direction of ground-water flow, type 1—Certain	-	1.125 ± 30° mm * 30° * \$2.125 mm	Use open or dashed ar- rows when more than one type or generation of ground-water flow is			
26.6.9	Direction of ground-water flow, type 2—Certain	\Rightarrow	lineweight .15 mm	shown. May also be drawn in cyan or other colors.			
26.6.10	Direction of ground-water flow, type 1— Approximate	\rightarrow	6.75 mm →				
	Direction of ground-water flow, type 2—	>	dash 1.5 mm; space .5 mm				