

GPS Survey of Flood Protection Dikes Survey Memorandum

Geographic Information

Region: Kootenay Location: Cold Spring Creek

Local Contact Information

Diking Authority: East Kootenay Regional District
Dike Number and Name: 330 - Coldspring Creek - Sites 1, 2, 3
Local Contact Person: Stephen McInnis
Phone: 250-489-2791 Fax: 250-489-4353 Email:
Mailing Address: 19 - 24th Ave., S., Cranbrook, B.C. V1C 3H8

GPS Survey Information

Date of Survey: October 19, 2003
Surveyor: Allan Macdonald, P. Eng.

Pertinent Observations (e.g., vegetation overgrowth, visibility, conditions of flood protection structures, accessibility, etc.):

This structure appeared to be in good repair. It is accessed from a private road with a locked gate. Access can be gained by 4x4 driving around the gate. There is a dam structure at this site.

Discrepancies / Anomalies Encountered (e.g., discrepancies between background file and reality on the ground, anomalies in survey methodology due to extenuating circumstances):

GPS Data Processing (e.g., GPS issues encountered):

GPS Survey Checklist of Special Dike Features

File Number: 330c

Diking Authority Name:	<u>East Kootenay Regional District</u>	
Dike Name:	<u>Coldspring Creek - Sites 1, 2, 3</u>	
UTM Zone Number:	<u>11N</u>	
Fences/ Gate(s)	Y / N	<u>N</u>
Flood Box(es)	Y / N	<u>N</u>
Pump Station(s)	Y / N	<u>N</u>
Concrete Wall(s)	Y / N	<u>N</u>
Gabions Wall(s)	Y / N	<u>N</u>
Buildings on/in dike embankment	Y / N	<u>N</u>
Access Road(s)		
-Public	Y / N	<u>N</u>
- Private	Y / N	<u>Y</u>
Turnouts/Turn-Around(s)	Y / N	<u>N</u>
Water Level Gauge(s)	Y / N	<u>N</u>
Drop Structure(s)	Y / N	<u>N</u>
Footbridge(s)	Y / N	<u>N</u>
Observation Platform(s)	Y / N	<u>N</u>
Cattle Guard(s)	Y / N	<u>N</u>
Stair(s)	Y / N	<u>N</u>
Manhole(s)	Y / N	<u>N</u>
Riprap	Y / N	<u>N</u>
Groyne(s)	Y / N	<u>N</u>
Weir(s)	Y / N	<u>N</u>
Relief Wells	Y / N	<u>N</u>
Other – specify	Y / N	<u>N</u>

330B

GPS Survey of Flood Protection Dikes Survey Memorandum

Geographic Information

Region: Kootenay Location: Cold Spring Creek

Local Contact Information

Diking Authority: East Kootenay Regional District
Dike Number and Name: 330 - Coldspring Creek - Sites 1, 2, 3
Local Contact Person: Stephen McInnis
Phone: 250-489-2791 Fax: 250-489-4353 Email:
Mailing Address: 19 - 24th Ave., S., Cranbrook, B.C. V1C 3H8

GPS Survey Information

Date of Survey: October 19, 2003
Surveyor: Allan Macdonald, P. Eng.

Pertinent Observations (e.g., vegetation overgrowth, visibility, conditions of flood protection structures, accessibility, etc.):

Discrepancies / Anomalies Encountered (e.g., discrepancies between background file and reality on the ground, anomalies in survey methodology due to extenuating circumstances):

No structure was apparent at this site.

GPS Data Processing (e.g., GPS issues encountered):

GPS Survey of Flood Protection Dikes Survey Memorandum

Geographic Information

Region: Kootenay Location: Cold Spring Creek

Local Contact Information

Diking Authority: East Kootenay Regional District
Dike Number and Name: 330 - Coldspring Creek - Sites 1, 2, 3
Local Contact Person: Stephen McInnis
Phone: 250-489-2791 Fax: 250-489-4353 Email:
Mailing Address: 19 - 24th Ave., S., Cranbrook, B.C. V1C 3H8

GPS Survey Information

Date of Survey: October 19, 2003
Surveyor: Allan Macdonald, P. Eng.

Pertinent Observations (e.g., vegetation overgrowth, visibility, conditions of flood protection structures, accessibility, etc.):

This structure appeared to be in good repair. It is accessed from a private road at the downstream end and a public road at the upstream end with a couple of roads along its length.

Discrepancies / Anomalies Encountered (e.g., discrepancies between background file and reality on the ground, anomalies in survey methodology due to extenuating circumstances):

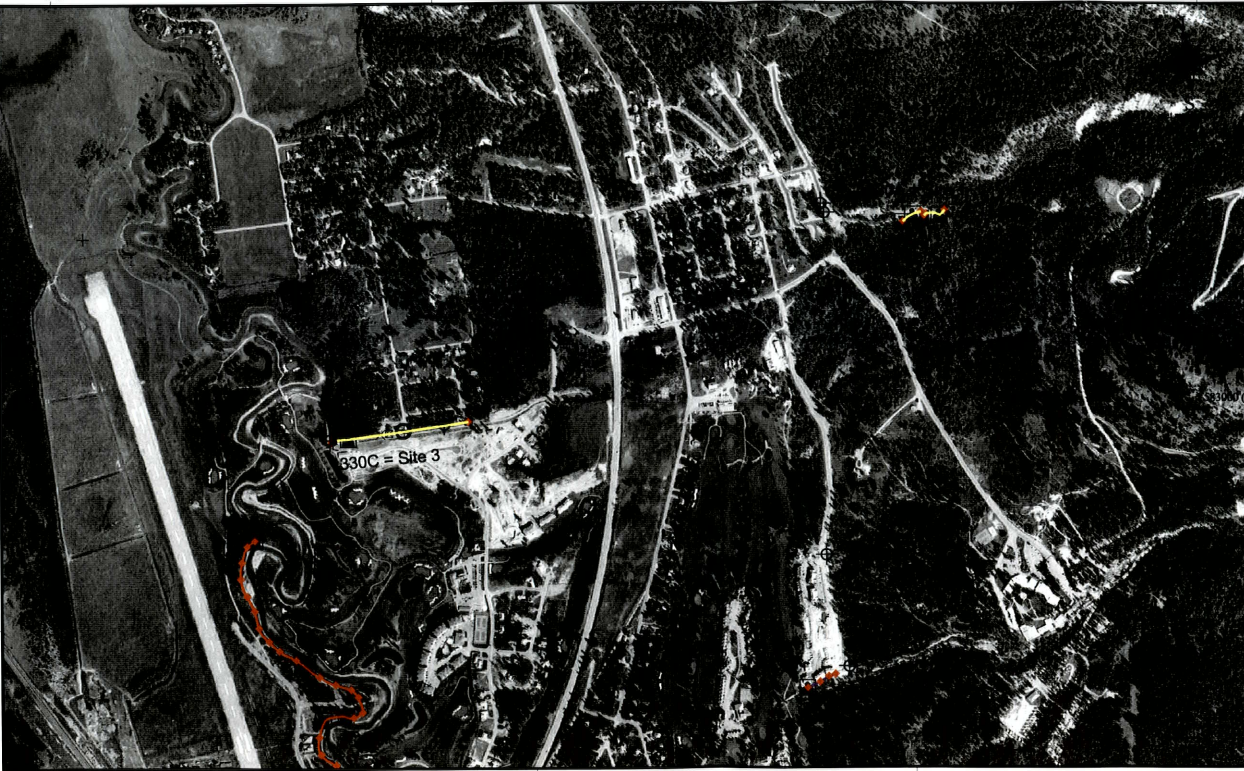
GPS Data Processing (e.g., GPS issues encountered):

GPS Survey Checklist of Special Dike Features

File Number: 330c

Diking Authority Name:	<u>East Kootenay Regional District</u>	
Dike Name:	<u>Coldspring Creek - Sites 1, 2, 3</u>	
UTM Zone Number:	<u>11N</u>	
Fences/ Gate(s)	Y / N	<u>Y</u>
Flood Box(es)	Y / N	<u>N</u>
Pump Station(s)	Y / N	<u>N</u>
Concrete Wall(s)	Y / N	<u>N</u>
Gabions Wall(s)	Y / N	<u>N</u>
Buildings on/in dike		
embankment	Y / N	<u>N</u>
Access Road(s)		
-Public	Y / N	<u>Y</u>
- Private	Y / N	<u>Y</u>
Turnouts/Turn-Around(s)	Y / N	<u>N</u>
Water Level Gauge(s)	Y / N	<u>N</u>
Drop Structure(s)	Y / N	<u>N</u>
Footbridge(s)	Y / N	<u>N</u>
Observation Platform(s)	Y / N	<u>N</u>
Cattle Guard(s)	Y / N	<u>N</u>
Stair(s)	Y / N	<u>N</u>
Manhole(s)	Y / N	<u>Y</u>
Riprap	Y / N	<u>Y</u>
Groyne(s)	Y / N	<u>N</u>
Weir(s)	Y / N	<u>N</u>
Relief Wells	Y / N	<u>N</u>
Other – specify	Y / N	<u>N</u>

580000 (11) 581000 (11) 582000 (11) 583000 (11)



330
 East Kootenay
 Regional District
 Coldspring Creek
 Sites 1, 2, 3

- Dike Crest, # 330
- Bank protection
- Dike Crest, Other

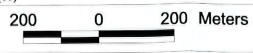
Note:
 330B = Site 2
 No Structure Found
 during GPS field survey

5577000 (11)
5576000 (11)

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580000 (11) 581000 (11) 582000 (11)

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East Kootenay Regional District

Water Course	Cold Spring Creek	Structure Type	Dike
Water Course 2		Ancillary Works	
GPS Number	330	Structure Length	484 m
Dike Name	Cold Spring Creek	NAD 83 Map Number	
Region	Southern Interior	Floodplain Maps	
Diking Authority	East Kootenay Regional District	UTM Northing	5 576 382
Address	19 - 24th Ave S	UTM Easting	11U 580 578
City	Cranbrook	Service Area	
Province	BC	Land Use	Residential
Postal Code	V1C 3H8	Number of Buildings	
Contact Person	Stephen McInnis	Infrastructure Protected	
Telephone	250-489-0300	Geographic Feature	Riverine
Fax	250-489-1287	Type of Flooding	
		Local Authority under EPA	East Kootenay Regional District
		Regulated under DMA	Yes

Notes Located 250m north of Fairmont Creek