

# GPS Survey of Flood Protection Dikes Survey Memorandum

## Geographic Information

Region:     Kootenay     Location:     Fairmont Creek    

## Local Contact Information

Diking Authority:     East Kootenay Regional District      
Dike Number and Name:     052 - Fairmont Hotsprings Resort      
Local Contact Person:     Stephen McInnis      
Phone:     250-489-2791     Fax:     250-489-4353     Email:                                       
Mailing Address:     19 - 24<sup>th</sup> 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.):

Structure was found to be in good condition.

---

---

---

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

The structure had been completely re-constructed from the last inspection.

---

---

---

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

None encountered.

---

---

---

---

---

## GPS Survey Checklist of Special Dike Features

File Number: 052

Diking Authority Name:		<u>East Kootenay Regional District</u>
Dike Name:		<u>Fairmont Hotsprings Resort</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>Y</u>
Concrete Wall(s)	Y / N	<u>N</u>
BIN 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>N</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>

581600 (11)

581800 (11)

#52

East Kootenay  
Regional District

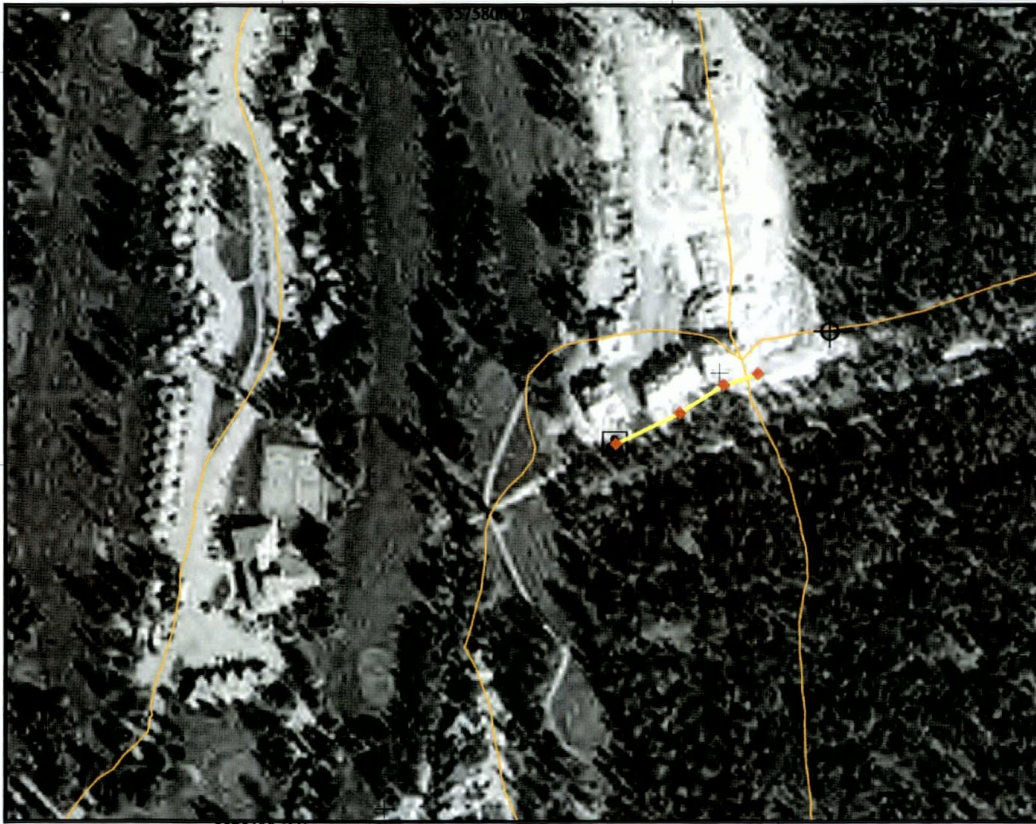
Fairmont Hot Springs

5575800 (11)

5575600 (11)

5575600 (11)

5575400 (11)



5575400 (11)

581600 (11)

581800 (11)

1:3,000

25 0 25 Meters



Ministry of Water,  
Land and Air Protection  
August 2, 2004





**East Kootenay Regional District**

<b>Water Course</b>	Fairmont Creek	<b>Structure Type</b>	Dike
<b>Water Course 2</b>	Cold Spring Creek	<b>Ancillary Works</b>	Log crib wall
<b>GPS Number</b>	52	<b>Structure Length</b>	85 m
<b>Dike Name</b>	Fairmont Hotsprings Resort	<b>NAD 83 Map Number</b>	82J031/032
<b>Region</b>	Kootenay	<b>Floodplain Maps</b>	N/A
<b>Diking Authority</b>	East Kootenay Regional District	<b>UTM Northing</b>	5 575 570
<b>Address</b>	19 - 24th Ave S	<b>UTM Easting</b>	11U 581 742
<b>City</b>	Cranbrook	<b>Service Area</b>	
<b>Province</b>	BC	<b>Land Use</b>	
<b>Postal Code</b>	V1C 3H8	<b>Number of Buildings</b>	
<b>Contact Person</b>	Stephen McInnis	<b>Infrastructure Protected</b>	
<b>Telephone</b>	250-489-0300	<b>Geographic Feature</b>	Riverine
<b>Fax</b>	250-489-1287	<b>Type of Flooding</b>	Spring Freshet
		<b>Local Authority under EPA</b>	East Kootenay Regional District
		<b>Regulated under DMA</b>	Yes

**Notes**