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## **2010 MAINLAND INLET PINK FORECAST**

This is a dominant cycle year for Mainland Inlet Pink stocks. Even year returns are generally strong, with the Kakweiken and Glendale systems contributing to the majority of the return. No formal forecast was made for Mainland Inlet Pinks, but the expectations for 2010 are to see an improvement in survival relative to the significant declines observed during the 2006 and 2008 return year. This declining trend was not shared with the odd year returns that have demonstrated significant improvement over the last 2 returns (2007 and 2009). It is hopeful that the improved marine survival that was evident in the 2009 return will continue for the 2010 return even though the brood year in 2008 was one of the lowest on record. There is a high level of uncertainty in this expectation due to high variability in marine survival. The key indicator streams that are used to assist in determining the relative abundance of this stock group include the Glendale, Kakweiken, Ahnuhati, Kingcome (Atlazi and Clear tributaries) and Wakeman Rivers (Atway and Wahpeeto tributaries). In addition, there are a number of other systems being actively enumerated for pink salmon which will be incorporated in the post season analysis.

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### **STOCK STATUS**

The fourth assessment flight took place on September 13, 2010. Water levels have improved slightly in all systems surveyed and pink salmon have been able to distribute more up the systems. Pink are near peak spawn in most systems except Glendale which is typically later than the other monitored systems. Returns to date are similar to slightly better than brood returns observed at similar times in 2008 except for Ahnuhati. The Kakweiken River has the highest concentration of pinks out of all the systems monitored. Numbers in Glendale have increased significantly since the last flight but there is little indication in the lower river or approach waters that any more pinks will return.

#### **Approach Areas**

No approach water observations were made during this flight.

#### **River Escapements**

In most cases, for the mainland inlet systems surveyed for pink salmon, escapement estimates are derived through visual (aerial and foot inspections) observations typically resulting in a peak count with several visits. As we progress through the season, the reliability in these estimates improve as the fish begin to move from the holding pools out onto the spawning grounds.

### **FISHING ACTIVITIES**

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#### **First Nations**

There has been no reported effort or catch to date in the Mainland Inlets of Area 12 directed at pink salmon.

#### **Recreational**

Effort and catch directed at pinks in the Mainland Inlets of Area 12 has been very low to date.

#### **Test Fishing**

There are currently no plans to conduct test fisheries in the approach areas for Mainland Inlet Pink stocks.

#### **Commercial**

Based on the observations to date, a commercial opportunity for Area 12 Mainland Inlet Pinks is highly unlikely.

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### **ASSESSMENT PLANS FOR THE COMING WEEKS**

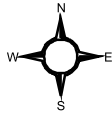
The next assessment flight is scheduled to be on September 30<sup>th</sup>.

**For further information please contact Pieter Van Will at (250) 949-9273**



# Area 12: Salmon Spawning Streams

= Main Pink

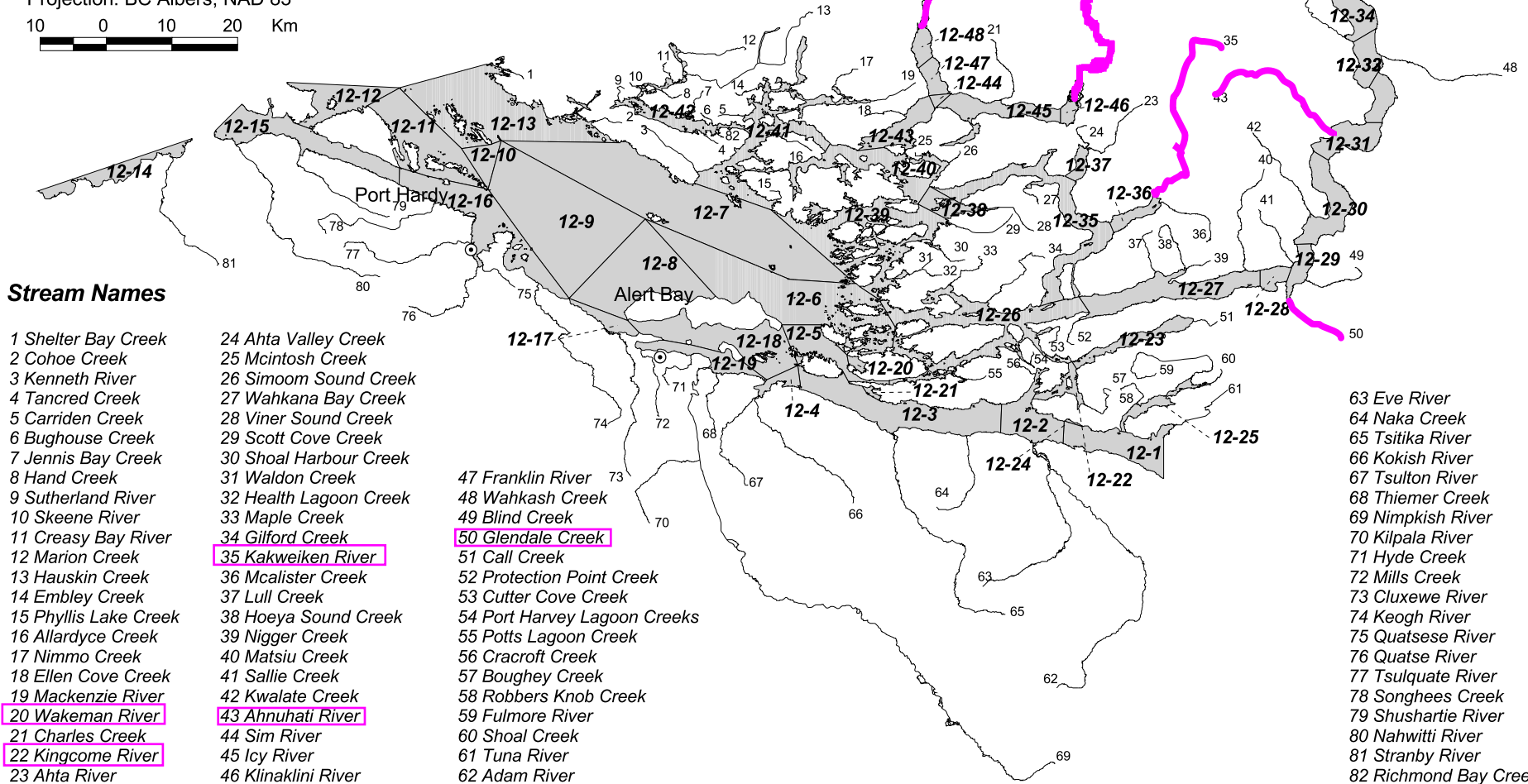


Date: January 28, 2004

Scale 1:950,000

Projection: BC Albers, NAD 83

10 0 10 20 Km



## Stream Names

- |                           |                           |                              |                       |
|---------------------------|---------------------------|------------------------------|-----------------------|
| 1 Shelter Bay Creek       | 24 Ahta Valley Creek      | 47 Franklin River            | 63 Eve River          |
| 2 Cohoe Creek             | 25 McIntosh Creek         | 48 Wakhash Creek             | 64 Naka Creek         |
| 3 Kenneth River           | 26 Simoom Sound Creek     | 49 Blind Creek               | 65 Tsitika River      |
| 4 Tancred Creek           | 27 Wakhana Bay Creek      | 50 <b>Glendale Creek</b>     | 66 Kokish River       |
| 5 Carriden Creek          | 28 Viner Sound Creek      | 51 Call Creek                | 67 Tsulton River      |
| 6 Bughouse Creek          | 29 Scott Cove Creek       | 52 Protection Point Creek    | 68 Thiemer Creek      |
| 7 Jennis Bay Creek        | 30 Shoal Harbour Creek    | 53 Cutter Cove Creek         | 69 Nimpkish River     |
| 8 Hand Creek              | 31 Waldon Creek           | 54 Port Harvey Lagoon Creeks | 70 Kilpala River      |
| 9 Sutherland River        | 32 Health Lagoon Creek    | 55 Potts Lagoon Creek        | 71 Hyde Creek         |
| 10 Skeene River           | 33 Maple Creek            | 56 Cracroft Creek            | 72 Mills Creek        |
| 11 Creasy Bay River       | 34 <b>Gilford Creek</b>   | 57 Boughey Creek             | 73 Cluxewe River      |
| 12 Marion Creek           | 35 <b>Kakweiken River</b> | 58 Robbers Knob Creek        | 74 Keogh River        |
| 13 Hauskin Creek          | 36 Mcalister Creek        | 59 Fulmore River             | 75 Quatsese River     |
| 14 Embley Creek           | 37 Lull Creek             | 60 Shoal Creek               | 76 Quatse River       |
| 15 Phyllis Lake Creek     | 38 Hoeya Sound Creek      | 61 Tuna River                | 77 Tsulquate River    |
| 16 Allardyce Creek        | 39 Nigger Creek           | 62 Adam River                | 78 Songhees Creek     |
| 17 Nimmo Creek            | 40 Matsiu Creek           |                              | 79 Shushartie River   |
| 18 Ellen Cove Creek       | 41 Sallie Creek           |                              | 80 Nahwitti River     |
| 19 <b>Mackenzie River</b> | 42 <b>Kwalate Creek</b>   |                              | 81 Stranby River      |
| 20 <b>Wakeman River</b>   | 43 <b>Ahnuhati River</b>  |                              | 82 Richmond Bay Creek |
| 21 <b>Charles Creek</b>   | 44 Sim River              |                              |                       |
| 22 <b>Kingcome River</b>  | 45 Icy River              |                              |                       |
| 23 Ahta River             | 46 Klinaklini River       |                              |                       |

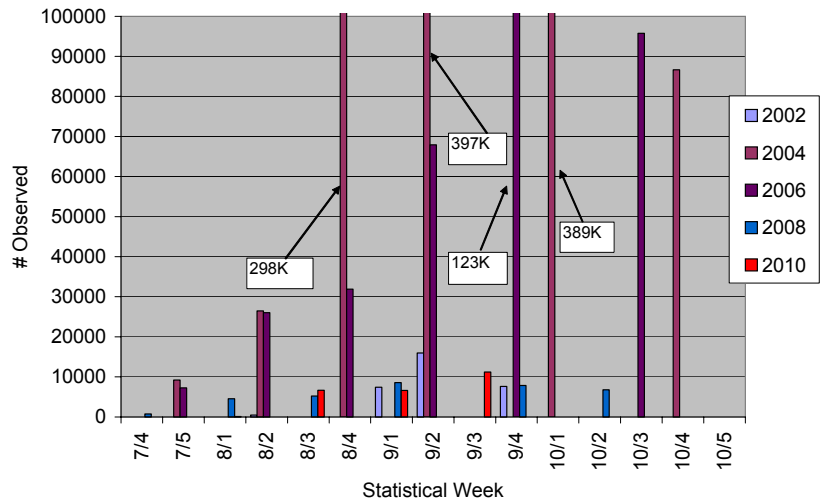
**2010 Key Stream Pink Escapement Observations and Comparisons to the 2008  
 Brood Year**

Stat Week	Glendale		Kakweiken		Ahnuhati		Kingcome		Wakeman	
	2008	2010	2008	2010	2008	2010	2008	2010	2008	2010
7/4	739		654		359		0		38	
7/5										
8/1	4,600	123	21,200	3,300	4,000	160	241	46	3,200	16
8/2										
8/3	5,200	6,600	21,300	25,500	2,400	2,600	1,200	700	1,900	450
8/4										
9/1	8,600	6,600	18,900	25,700	7,100	3,100	771	1,000	3,000	1,900
9/2										
9/3		11,200		25,400		2,800		880		1,580
9/4	7,900		24,900		5,100		1,456		1,535	
10/1										
10/2	6,800		2,800		1,000		250		8	
10/3										
10/4										
10/5										
<b>Final Est.</b>	<b>15,085</b>		<b>33,761</b>		<b>10,855</b>		<b>2,057</b>		<b>3,646</b>	

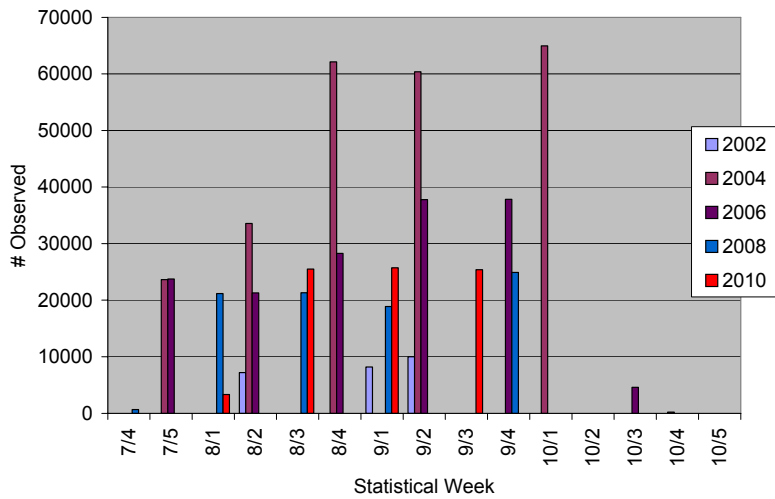
*Note: Each of the values in the table above are point estimates made on the day of the observation. Blanks indicate “no observations” made. The numbers that appear in the table above are preliminary estimates, further analysis to be made post-season to provide estimates of total escapement.*

## Area 12 Mainland Inlet Pink Salmon Escapement Observations (2002-2010)

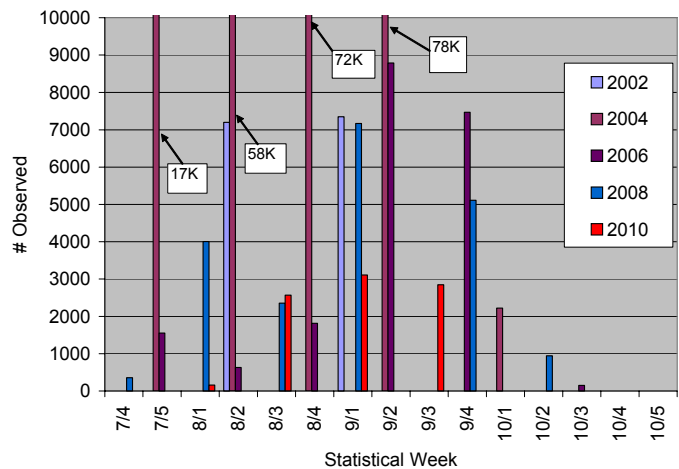
Glendale Creek Pink Observations



Kakweiken River Pink Observations



Ahnuhati River Pink Observations



## Area 12 Mainland Inlet Pink Salmon Escapement Observations (2002-2010)

