

Appendix B-3

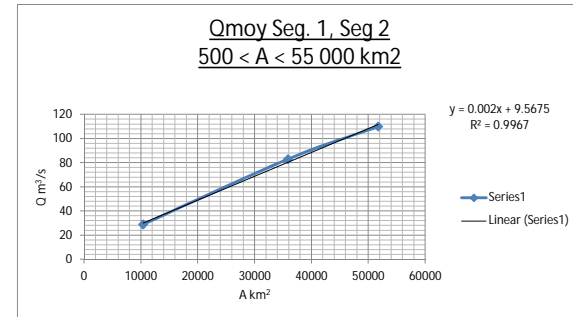
Statistical Analysis Graphs and Tables

Mean Flow
Segment 1,2

Year	Station	N	W	Catchment Area (km ²)
1969-2011	Chinchaga River	58°35'49" N	118°20'2" W	10369.6
1970-2011	Wabasaca River	57°52'28" N	115°23'20" W	35800
1963-2012	Hay River	60°44'34" N	115°51'34" W	51700

$Q_{moy} = 0.002A + 9.5675$

A: km²
Q: m³/s

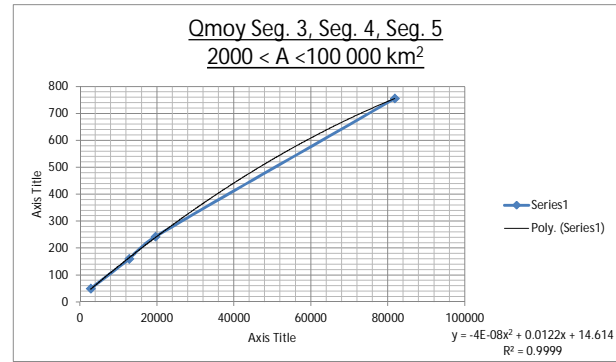


Seg. 3,4,5

Year	Station	N	W	Catchment Area (km ²)
1963-1967	Snake River	65°14'45" N	133°24'10" W	2770
1962-2011	Frances River	60°28'26" N	129°7'8" W	12800
1902-2011	Yukon River	60°42'50" N	135°2'35" W	19600
1951-1995	Yukon River	62°5'45" N	136°16'18" W	81800

$Q_{moy} = 0.00000004A^2 + 0.0122A + 14.614$

A: km²
Q: m³/s



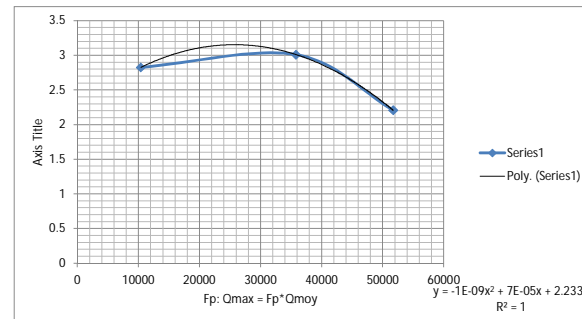
Peak Flow PF

A	Qmoy	Qmax	Qmin	PF
CHINCHAGA RIVER	10370	29	82	10
WABASCA RIVER	35800	83	250	9.5
Hay River	51700	110	243	20
PEACE RIVER	87200	1270	1950	897
PEACE RIVER	194374	1830	2880	920

A	PF
10370	2.827586207
35800	3.012048193
51700	2.209090909
87200	1.535433071
194374	1.573770492

$PF = 0.00000001A^2 + 0.00007A + 2.2336$

$Q_{max} = PF \cdot Q_{moy}$



1960 - 2011	07HD001	PEACE RIVER NEAR CARCAJOU
Débits et niveaux		AB 57°44'32" N 117°1'57" W 216813.2

Peace River As indicated on hydrometrique staaion level

Year	Station	N	W	Catchment Area (km ²)
1960-2011	Peace River near Carcajou	57°44'32" N	117°1'57" W	216813.2

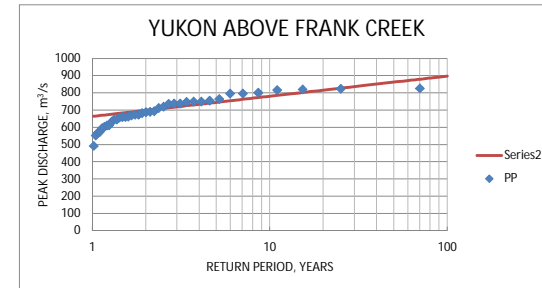
Yukon River

Années de données	ID de la station	Nom de la station			Superfici e brute du bassin versant (km ²)
		Code de prov.	Latitude	Longitude	
1953 - 1994	09AB009	YT	61°26'4" N	135°11'18" W	30800

1953 - 1994	09AB009	YUKON RIVER ABOVE FRANK CREEK
Débits		YT 61°26'4" N 135°11'18" W 30800

Year	Station	N	W	Catchment Area (km ²)
1953-1994	Yukon River, above Frank creek	61°26'4" N	135°11'18" W	30800

YEAR	Maximum Daily Discharge (m ³ /s)	Ordre	PP	Pr (Q>q)	Tr	QTR
1970	493	1	0.014314928	0.985685072	1.01452282	665.0107971
1984	553	2	0.039877301	0.960122699	1.04153355	666.346322
1973	569	3	0.065439673	0.934560327	1.07002188	667.717888
1978	575	4	0.091002045	0.908997955	1.10011249	669.1274945
1965	595	5	0.116564417	0.883435583	1.13194444	670.577312
1956	603	6	0.142126789	0.857873211	1.16567342	672.069702
1983	611	7	0.167689162	0.832310838	1.2014742	673.6072407
1958	612	8	0.193251534	0.806748466	1.23954373	675.1927451
1987	634	9	0.218813906	0.781186094	1.28010471	676.8293048
1966	646	10	0.244376278	0.755623722	1.32341001	678.5203175
1974	646	11	0.269938665	0.73006135	1.3697479	680.2695318
1980	658	12	0.295501022	0.704498978	1.41944848	682.0810975
1954	660	13	0.321063395	0.678936605	1.47289157	683.9596244
1968	660	14	0.346625767	0.653374233	1.53051643	685.9102534
1976	663	15	0.372188139	0.627811861	1.59283388	687.938741
1991	670	16	0.397750511	0.602249489	1.66044143	690.0515619
1969	674	17	0.423312883	0.576687117	1.73404255	692.2560337
1985	675	18	0.448875256	0.551124744	1.81447124	694.5604697
1990	683	19	0.474437628	0.525562372	1.90272374	696.9743684
1967	688	20	0.5	0.5	2	699.5086496
1982	691	21	0.525562372	0.474437628	2.10775862	702.1759538
1972	694	22	0.551124744	0.448875256	2.22779043	704.9910227
1994	713	23	0.576687117	0.423312883	2.36231884	707.9711934
1989	721	24	0.602249489	0.397750511	2.51413882	711.1370455
1962	736	25	0.627811861	0.372188139	2.68681319	714.5132633
1959	739	26	0.653374233	0.346625767	2.88495575	718.1298063
1963	739	27	0.678936605	0.321063395	3.11464968	722.0235282
1979	748	28	0.704498978	0.295501022	3.38408304	726.2404688
1964	750	29	0.73006135	0.269938665	3.70454545	730.8391868
1993	750	30	0.755623722	0.244376278	4.09205021	735.8957541
1988	755	31	0.781186094	0.218813906	4.57009346	741.511521
1975	765	32	0.806748466	0.193251534	5.17460317	747.8257273
1977	796	33	0.832310838	0.167689162	5.96341463	755.0371136
1986	797	34	0.857873211	0.142126789	7.03597122	763.4435431
1957	801	35	0.883435583	0.116564417	8.57894737	773.5213215
1992	816	36	0.908997955	0.091002045	10.988764	786.104197
1971	821	37	0.934560327	0.065439673	15.28125	802.8646176
1953	824	38	0.960122699	0.039877301	25.0769231	828.0403958
1961	827	39	0.985685072	0.014314928	69.8571429	880.1130329



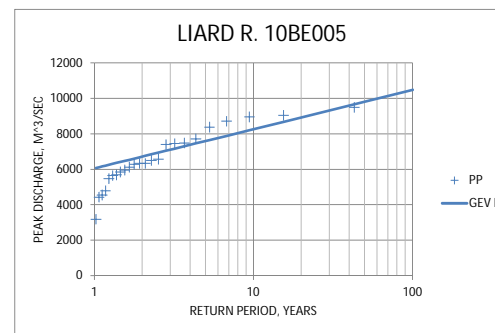
Liard River

1968 - 1995	10BE005	LIARD RIVER ABOVE BEAVER RIVER	BC	59°44'33" N	124°28'35" W	119000
-------------	---------	--------------------------------	----	-------------	--------------	--------

Year	Station	N	W	Catchment Area (km ²)
1968-1995	Liard River above Beaver River	59°44'33" N	124°28'35" W	119000

YEAR	PEAK	ORDER	PP DIST	Pr(O>q)	Tr	GEV I	QTR
1978	3200	1	0.023217247	0.976782753	1.0237691	6079.495356	4500
1991	4450	2	0.064676617	0.935323383	1.06914894	6121.147608	5350
1969	4560	3	0.106135987	0.893864013	1.1187384	6164.688628	6030
1980	4800	4	0.147595357	0.852404643	1.17315175	6210.297882	7700
1970	5490	5	0.189054726	0.810945274	1.23312883	6258.181698	6230
1993	5660	6	0.230514096	0.769485904	1.29956897	6308.578906	7500
1994	5700	7	0.271973466	0.728026534	1.37357631	6361.768046	8160
1977	5860	8	0.313432836	0.686567164	1.45652174	6418.076693	6260
1984	5970	9	0.354892206	0.645107794	1.55012853	6477.893682	5800
1971	6140	10	0.396351575	0.603648425	1.65659341	6541.685415	3170
1973	6290	11	0.437810945	0.562189055	1.77876106	6610.017956	7200
1976	6340	12	0.479270315	0.520729685	1.92038217	6683.587636	4680
1982	6340	13	0.520729685	0.479270315	2.08650519	6763.264352	7920
1983	6520	14	0.562189055	0.437810945	2.28409091	6850.154537	6260
1987	6590	15	0.603648425	0.396351575	2.52301255	6945.695525	6370
1985	7410	16	0.645107794	0.354892206	2.81775701	7051.802275	5940
1986	7460	17	0.686567164	0.313432836	3.19047619	7171.105644	7370
1979	7500	18	0.728026534	0.271973466	3.67682927	7307.360722	7310
1972	7730	19	0.769485904	0.230514096	4.3381295	7466.19547	6550
1988	8390	20	0.810945274	0.189054726	5.28947368	7656.60941	8300
1992	8730	21	0.852404643	0.147595357	6.7752809	7894.355749	7000
1990	8970	22	0.893864013	0.106135987	9.421875	8211.034448	8920
1975	9060	23	0.935323383	0.064676617	15.4615385	8686.716586	4410
1974	9510	24	0.976782753	0.023217247	43.0714286	9670.599711	8700
					50	9813.848589	5610
					100	10479.51276	5640

PEAK DAILY



1944 - 2011	10BF001	LIARD RIVER AT LOWER CROSSING	BC	59°24'45" N	126°5'50" W	104000
-------------	---------	-------------------------------	----	-------------	-------------	--------

Year	Station	N	W	Catchment Area (km ²)
1944-2011	Liard River at lower crossing	59°24'45" N	126°5'50" W	104000