

Table S5. List of ships sailing from Galway (1841-1851) to another British port at appropriate times to have transferred ballast to ship(s) sailing from that port to Pictou. Data on Galway from *Galway Vindicator* of indicated dates

Ship's name	Sailing date	Destination	Source	Cargo*	Ship(s) to Pictou (length of voyage, if known)
<i>Newcastle</i>	8/29/1846	Glasgow	8/29/1846	Ballast	<i>Sesostris</i> (21 d)
<i>Nevis</i>	4/17/1847	Glasgow	4/17/1847	General cargo	<i>Lucins Cary</i> (57 d)
<i>Maria</i>	4/4/1850	Glasgow	4/6/1850	Kelp (ash)*	<i>Janet</i> (44 d)
<i>Maria</i>	8/24/1850	Glasgow	8/25/1850	Kelp (ash)	<i>Perthshire</i>
<i>Culloden</i>	2/29/1851	Glasgow	3/5/1851	Partial load kelp (ash)	<i>Agnes Sophia</i> (29 d), <i>Sarah Botsford</i> (29d)
<i>Aim</i>	5/1/1847	Greenock	5/1/1847	Guano	<i>London</i>
<i>Enterprise</i>	5/8/1847	Greenock	5/8/1847	Beans	<i>London</i>
<i>Katherine</i>	6/8/1844	Limerick	6/8/1844	“British goods”	<i>Britannia</i>
<i>Mercy Jane</i>	6/28/1843	Liverpool	6/28/1843	Oats, wool	<i>Sesostris</i>
<i>Williams</i>	8/5/1843	Liverpool	8/6/1843	Wheat, barley, oatmeal	<i>Yorkshire</i>
<i>Margaret</i>	3/16/44	Liverpool	3/16/1844	General cargo	<i>True Blue</i> (55 d)
<i>Rev.</i>	3/16/1844	Liverpool	3/16/1844	Wheat, flour	<i>True Blue</i> (60 d)
<i>Theobald</i>					
<i>Mathew</i>					
<i>Jane</i>	3/13/1847	Liverpool	3/13/1847	Ballast	<i>True Blue</i> (55 d), <i>Conqueror</i> (60 d)
<i>Erin</i>	9/12/1847	Liverpool	9/12/1847	Ballast	<i>Mary & Harriet</i> (44 d)
<i>John Begg</i>	9/15/1847	Liverpool	9/15/1847	Ballast	<i>Mary & Harriet</i> (44 d)
<i>Mary Jane</i>	9/12/1847	Liverpool	9/12/1847	Ballast	<i>Mary & Harriet</i> (44 d)
<i>Rubey</i>	9/15/1847	Liverpool	9/15/1847	Ballast	<i>Mary & Harriet</i> (44 d)
<i>Matilda</i>	7/11/1848	Liverpool	7/11/1848	Ballast	<i>True Blue</i>
<i>Harmony</i>	8/29/1849	Liverpool	8/29/1849	Salt	<i>Richard Cobden</i>
<i>Industry</i>	3/9/1850	Liverpool	3/6/1850	General cargo	<i>Georgat</i> (29 d)
<i>Lord</i>	8/22/1846	London	8/22/1846	Oats, butter, bacon, salmon	<i>St. Andrew</i> (35 d)
<i>Fitzgerald</i>					
<i>Rev. T.</i>	8/29/1846	London	8/29/1846	Oats, butter	<i>St. Andrew</i> (35 d)
<i>Mathew</i>					
<i>Maas</i>	7/14/1847	London	7/17/1847	Wheat	<i>James Edward</i>
<i>Victoria</i>	8/21/1847	London	8/21/1847	Marble, clove seeds, hams	<i>George Henry</i>
<i>British</i>	7/7/1849	London	7/7/1849	Ballast	<i>Thomas Henry</i>
<i>Queen</i>					
<i>William</i>	4/27/1844	Newcastle	4/27/1844	Kelp (ash)	<i>Jane</i>
<i>Irwin</i>					

See Table S3 for further details on Pictou ships.

Additional references:

1. Hardiman J (1820) *The History of the Town and County of the Town of Galway* (W. Folds & Sons, Dublin), pp 286-289.

2. Harbour Master Reports, Galway, 1950, 1952. Held as microfilm, Special Collections, National University of Galway-Ireland.

3. Kinahan GH (1869) The sea-weeds of Yar-connaught, and their uses. *Quart J Sci* 6:331-340.

* Galway was a major exporter of “kelp” (a source of soda for linen manufacturing, the soap industry etc.) to other areas of Ireland and Britain in the 18th and 19th Centuries (Hardiman, 1820). Kelp was produced by burning seaweeds belonging to the Laminariales and Fucales, including *F. serratus* (Kinahan 1869). Large quantities of fucacean seaweed (e.g., *F. serratus*) were transported to Galway from surrounding shores of County Galway and sold as manure for soil enrichment in agriculture (Kinahan 1869). Such seaweed arrived by various means, including by boats that were unloaded on the wet docks where ballast was discharged and loaded (e.g., Galway Harbour Master Reports 1850, 1852).