

# Sand and gravel resources, Sheet 96W Portsoy, Cainozoic of north-east Scotland

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[Jump to navigation](#) [Jump to search](#)

Merritt, J W, Auton, C A, Connell, E R, Hall, A M, and Peacock, J D. 2003. Cainozoic geology and landscape evolution of north-east Scotland. Memoir of the British Geological Survey, sheets 66E, 67, 76E, 77, 86E, 87W, 87E, 95, 96W, 96E and 97 (Scotland).  
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## Contents

- [1 Sheet 96W Portsoy](#)
  - [1.1 References](#)

## Sheet 96W Portsoy



Glacial and glaciofluvial features and the distribution of glaciogenic deposits on Sheet 96W Portsoy. P915372.

Deposits of sand and gravel are less widespread in the Portsoy district ([P915372](#)). Notable resources are present within terraced glaciofluvial deposits in the valley of the Burn of Boyne and which extend across the interfluvium to reach the Burn of Durn south of Portsoy. Less extensive terraced deposits occur in the valley of the Burn of Durn, upstream of Damheads (NJ 580 635) where they have been worked in a pit near Buteback (NJ 568 613).

Much of the town of Cullen is built on sandy glaciofluvial deposits, which were formerly worked at Gallows Hill (NJ 513 664). Potentially workable deposits of sand may occur beneath silts and clays in the valley of the Burn of Cullen, but they would lie close to, or below, the water table. Other resources include the well-rounded cobble gravels forming moundy topography along the coast, inland of Whyntie Head (NJ 630 660), and sands that underlie rounded hillocks in the vicinity of Home Farm (NJ 500 661), on the western side of the valley of the Burn of Cullen. Extensive, high quality resources may occur within the glaciofluvial sheet and ice-contact deposits, in the vicinity of Headtown (NJ 612 583). These ice-contact deposits extend beyond the southern margin of Sheet 96W, where they are seen to be predominantly composed of fine- to medium-grained sand.

## References

[Full reference list](#)

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[Category](#):

- [Grampian Highlands](#)

## Navigation menu

### Personal tools

- Not logged in
- [Talk](#)
- [Contributions](#)
- [Log in](#)
- [Request account](#)

### Namespaces

- [Page](#)
- [Discussion](#)

### Variants

### Views

- [Read](#)
- [Edit](#)
- [View history](#)
- [PDF Export](#)

## More

## Search

## Navigation

- [Main page](#)
- [Recent changes](#)
- [Random page](#)
- [Help about MediaWiki](#)

## Tools

- [What links here](#)
- [Related changes](#)
- [Special pages](#)
- [Permanent link](#)
- [Page information](#)
- [Cite this page](#)
- [Browse properties](#)

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- [About Earthwise](#)
- [Disclaimers](#)

