

1. **Roadcut W side of Gaula** river, south of E39. Rock 29 (brown.) Støren greenstone, Støren nappe. Pillow lavas, Ordovician age, Upper Allochthon. Ocean floor or island arc of Iapetus. Which way is up? (*0730*)
2. **Buvik grain silos**. Rock 18 (green). Phyllite of Støren nappe, Ordovician age, Upper Allochthon. Greenschist facies. Deformed quartz veins show vergence direction. Which way did tops move? (Top to West) (*0750*)
3. **Offramp of E39 at Thamshamn**. Rock 34 (green.). Two rock types: garnet schist and garnet amphibolite, of Surna nappe (=Seve, Blåhø, Gula.) Amphibolite facies, Upper Allochthon. (Vergence/Top to East) (*0810*)
4. **Abandoned quarry, W. side Orkdalsfjorden**. Near ‘Reven’. Rock 43 (yellow.) Sætra nappe (=Särv) Neoproterozoic arkose with diabase dikes, Middle Allochthon. Plagioclase phenocrysts from original diabase. Vertical foliation and lineation. (*0835*)
5. **Kjøra**. Rapakivi granite and augen gneiss. Rock 46 (orange with diamonds). Risberget nappe, Middle Allochthon. Cut by diabase dikes with plagioclase phenocrysts. (*0910*)
- (6. **North of Lensvik**. Lensvik syncline. Støren nappe, rock 29 and 38. Upper Allochthon.) (*skip this stop 0928*)
- (7. **Selvnes**. Precambrian migmatitic basement and high grade Caledonian cover. Rocks 38, 48, 32, 43. Autochthon, Middle and Upper Allochthon. NE-SW fold axes and stretching lineations. (*skip this stop 0944*)
8. **Valset** ferry peninsula. Rock 39 (orange with pricks) granodioritic gneiss. Ferry 1000. Probably Ordovician granodiorite from Iapetus island arcs. Probably Upper Allochthon. (*arrive at ferry 0952*)
9. **Døsvik** boat harbor. Rock 1 (yellow with circles) conglomerate and sandstone. Normal faults on all scales. Many cobbles are faulted. Cobbles of granite with no foliation. Are there cobbles of gneiss? It is possible to find fragments of Devonian plant fossils (psilophyton) in siltstone layers. Upper Plate Devonian extension (*1113*)
10. **Lerberen** granite quarry. Rock 3 (pink), Ordovician granite, 442 Ma. No foliation, shows that rock was not deformed at deep crustal level. Low-grade faulting and chemical alteration turns white granite red and green. Unaltered granite is white, altered is pink, strongly altered is red breccia. Also green faults with slickenside lineations (glidespeil.) May be Uppermost Allochthon co Caledonian compression, Upper Plate. (*1136*)
11. **Uthaug**. Gneiss rock 52. Country rock for Lerberen granite and basement for Devonian conglomerate. Dikes of Lerberen granite here? This rock was mapped as Precambrian but is now known to be Ordovician. May be Uppermost Allochthon of Caledonian compression and Upper Plate of Devonian extension. Extra stop in gneiss because most of Uthaug locality now removed, asphalted! (*1204, Food store and toilets in Brekstad leave 1245*)
12. **Austrått fort**. Devonian conglomerate and sandstone, with some green fracture surfaces. (*1315*)
- (13. **Austrått herregård**. Devonian conglomerate with many green fractures.) (*skip this stop 1334*)
14. **Austrått boat harbor**. Høybakken detachment fault. The entire rock is green fault breccia. (*1334*)
15. **Bjugn**. Høybakken detachment fault with hanging wall (upper plate) conglomerate and footwall (lower plate) green fault breccia. Lower plate was probably metadiorite. (*1414*)
- 15x. **Myra gjenbruksstasjon turnoff**. Metadiorite with SW lineation. Lower Plate Devonian extension. (*1421*)
16. **Nyseter marble quarry** (kalkmølle, Gjølga). NE-SW fold axes. Støren nappe. Upper Allochthon. (*1436*)
17. **Krinsvatnet** roadcut. Rock 48 metadiorite (brown). Actually looks like metagranodiorite. NE-SW lineations. Probably Upper Allochthon (island arc intrusions). (*1455*)
18. **Rørvik ferry**. Amphibolite, and gneisses of felsic-intermediate composition. Probably sheeted dike complex of Støren nappe, but now metamorphosed and deformed. SW dipping rocks with parasitic Z-folds. Ferry 1605.
- (19. **Klemetsaunet**. Fine grained trondhjemite with euhedral garnets. Rock 27 (pink). (skip).
- (20. **E.of Trolla**. Contact between greenstone and foliated trondhjemite, 482 Ma). Rock 5 (pink.) (skip.) *NTNU 1655*