

Otter and badger mitigation sites

TR	Location	Grid ref		Installation date
A479	Talgarth bypass new Pendre Culvert			2006?
<b>A470</b>	<b>Maes Yr Helmau</b>			
	Culvert -north of the Lodge (ch. 250)	275635	318333	2013
	Oversized culvert - south of bat bridge (ch. 520)	275821	318145	2013
	Oversized culvert - south of Tabor junction (ch. 1000)	276018	317701	2013
	Culvert - south of Private Means of Accesses (ch. 1130)	276132	317570	2013
	Culvert - south of previous culvert (ch. 1400)	276300	317427	2013
	Oversized culvert - north of Rhiwspardyn (ch. 1800)	276406	317096	2013
	Culvert - north of Rhiwspardyn (ch. 2100)	276494	316887	2013
	<b>Mammal proof fencing E of road from north of Lodge to Brithdir Junction</b>			2013
	Start	275775	381239	
	End	275932	318020	
	<b>Mammal proof fencing E of road from north of Lodge to Hendre Gyfeiliad</b>			2013
	Start	275773	318205	
	End	275858	318023	
	<b>Mammal proof fencing E of road from Brithdir Junction to Tabor Junction</b>			2013
	Start	276021	317918	
	End	275989	317790	
	<b>Mammal proof fencing W of road from Hendre Gyfeiliad to Tabor Junction</b>			2013
	Start	275858	318015	
	End	275878	317822	
	<b>Mammal proof fencing E of road in centre of scheme</b>			2013
	Start	276004	317822	
	End	276353	317399	
	<b>Mammal proof fencing W of road from Tabor to junction across centre of scheme</b>			2013
	Start	275873	317809	
	End	276333	317379	
	<b>Mammal proof fencing E of road south end of scheme</b>			2013
	Start	276418	317247	
	End	276387	317017	
	<b>Mammal proof fencing W of road south end of scheme</b>			2013
	Start	276464	317246	
	End	276429	317026	
A483/A 489	Newtown Bypass - under construction			
<b>A470</b>	<b>Gelligemlyn Main Project</b>			
	Oversized watercourse culvert - north end of scheme	273260	322168	2013
	Short length mammal proof walling E and W of road	273260	322168	2013
	Shorth length of mammal proof fencing W of road preventing access onto rock cutting	273252	322214	2013
A5	Pont Melin Rug			
	New Bridge - Afon Alyn			
	Otter fencing around new bridge			
A470	Llanrwst to Hafod			
	Culvert of Afon gallt y gwg			
	culvert under junction to Tyddyn Hen			

	culvert northern of end of scheme under layby			
	badger and otter fencing along most of scheme			
A470	Penloyn to Tan Lan			
	Culvert for otters and bats Tan Lan Farm			
A487	<b>Porthmadog</b>			
	<b>Culvert west of Tremadog roundabout (C1)</b>	<b>256531</b>	<b>339727</b>	<b>2011</b>
	<b>Culvert east of Tremadog roundabout (C2)</b>	<b>255761</b>	<b>339981</b>	<b>2011</b>
	<b>Culvert west of Tremadog underbridge (C3)</b>	<b>255870</b>	<b>339872</b>	<b>2011</b>
	<b>Culvert opposite Church St junction (C4)</b>	<b>256352</b>	<b>339780</b>	<b>2011</b>
	<b>Culvert adjacent Y Nursery (C5)</b>	<b>256532</b>	<b>339729</b>	<b>2011</b>
	<b>Culvert west of Porthmadog roundabout (C6)</b>	<b>256652</b>	<b>339635</b>	<b>2011</b>
	<b>Culvert north of Porthmadog roundabout (C7)</b>	<b>256701</b>	<b>339635</b>	<b>2011</b>
	<b>Culvert west of Glanrafon (C8)</b>	<b>256848</b>	<b>339562</b>	<b>2011</b>
	<b>Culvert east of Lon y Traeth (C9)</b>	<b>257436</b>	<b>339230</b>	<b>2011</b>
	<b>Culvert beneath Lon y Traeth junction (C11)</b>	<b>257670</b>	<b>339219</b>	<b>2011</b>
	<b>Culvert beneath road along Y Traeth (C13)</b>	<b>258365</b>	<b>339140</b>	<b>2011</b>
	<b>Culvert beneath road along Y Traeth (C14)</b>	<b>258637</b>	<b>339103</b>	<b>2011</b>
	<b>Culvert beneath quarry access (C15)</b>	<b>259563</b>	<b>338904</b>	<b>2011</b>
	<b>Culvert east of quarry access (C16)</b>	<b>259698</b>	<b>338860</b>	<b>2011</b>
	<b>Large dry culvert west of Erw Wen Road (C17)</b>	<b>259862</b>	<b>338799</b>	<b>2011</b>
	<b>Large dry culvert east of Erw Wen Road (C18)</b>	<b>259949</b>	<b>338761</b>	<b>2011</b>
	<b>Mammal proof fencing S of road at west end of scheme</b>			<b>2011</b>
	<b>Start</b>	<b>255472</b>	<b>340298</b>	
	<b>End</b>	<b>255593</b>	<b>340203</b>	
	<b>Mammal proof fencing S of road from Tremadog roundabout to underbridge</b>			<b>2011</b>
	<b>Start</b>	<b>255751</b>	<b>339964</b>	
	<b>End</b>	<b>256097</b>	<b>339773</b>	
	<b>Mammal proof fencing N of road from Tremadog roundabout to underbridge</b>			<b>2011</b>
	<b>Start</b>	<b>255724</b>	<b>340060</b>	
	<b>End</b>	<b>256089</b>	<b>339789</b>	
	<b>Mammal proof fencing N of road from Tremadog underbridge to Church St</b>			<b>2011</b>
	<b>Start</b>	<b>256107</b>	<b>339787</b>	
	<b>End</b>	<b>256328</b>	<b>339795</b>	
	<b>Mammal proof fencing S of road from Nursery Watercourse to Porthmadog roundabout</b>			<b>2011</b>
	<b>Start</b>	<b>256517</b>	<b>339724</b>	
	<b>End</b>	<b>256643</b>	<b>339631</b>	
	<b>Mammal proof fencing N of road adjacent to Y Nursery</b>			<b>2011</b>
	<b>Start</b>	<b>256368</b>	<b>339854</b>	
	<b>End</b>	<b>256606</b>	<b>339688</b>	
	<b>Mammal proof fencing N of road from Porthmadog roundabout to Glanrafon</b>			<b>2011</b>
	<b>Start</b>	<b>256779</b>	<b>339585</b>	
	<b>End</b>	<b>257071</b>	<b>339472</b>	
	<b>Mammal proof fencing S of road from Porthmadog roundabout to Glanrafon</b>			<b>2011</b>
	<b>Start</b>	<b>256772</b>	<b>339568</b>	
	<b>End</b>	<b>257063</b>	<b>339453</b>	
	<b>Mammal proof fencing N of road from Glanrafon to WHR</b>			<b>2011</b>
	<b>Start</b>	<b>257083</b>	<b>339462</b>	
	<b>End</b>	<b>257200</b>	<b>339369</b>	
	<b>Mammal proof fencing S of road from Glanrafon to WHR</b>			<b>2011</b>

	Start	257077	339441	
	End	257189	339335	
	Mammal proof fencing N of road from WHR to Lon y Traeth			2011
	Start	257227	339347	
	End	257375	339264	
	Mammal proof fencing S of road from WHR to Lon y Traeth			2011
	Start	257215	339334	
	End	257360	339249	
	Mammal proof fencing Lon y Traeth East			2011
	Start	257490	339391	
	End	257698	339224	
	Mammal proof fencing Lon y Traeth West			2011
	Start	257467	339365	
	End	257643	339210	
	Mammal proof fencing N of road along y Traeth			2011
	Start	257680	339225	
	End	258862	339073	
	Mammal proof fencing S of road along y Traeth			2011
	Start	257369	339246	
	End	258840	339059	
	Mammal proof fencing N of road between Glaslyn and Quarry			2011
	Start	258998	339047	
	End	259558	338920	
	Mammal proof fencing N of road between Quarry and Erw Wen road			2011
	Start	259573	338916	
	End	259911	338788	
	Mammal proof fencing S of road between Quarry and Erw Wen road			2011
	Start	259549	338895	
	End	259904	338772	
	Mammal proof fencing N of road between Erw Wen road and Environmental overbridge			2011
	Start	259927	338782	
	End	260031	338728	
	Mammal proof fencing S of road between Erw Wen road and Environmental overbridge			2011
	Start	259919	338765	
	End	260004	338722	
	Mammal proof fencing N of road between Environmental and Rail overbridges			2011
	Start	260048	338717	
	End	260144	338665	
	Mammal proof fencing S of road between Environmental and Rail overbridges			2011
	Start	260017	338714	
	End	260131	338640	
	Mammal proof fencing N of road east of Rail overbridge			2011
	Start	260154	338643	
	End	260250	338618	
	Mammal proof fencing S of road east of Rail overbridge			2011
	Start	260141	338629	
	End	260150	338575	
A483/A 489	Newtown Bypass - underconstruction - culverts/underpasses and fencing			
A470	Cwmbach to Newbridge			
	Culvert at Cwrt Llechryd			

bridge over dulas brook			
culvert south of Red House			
Red House overbridge			
Culvert stream Little Smithfield			
Culvert Rhydfelinfach/Rhydfelin fach access			
Culvert (badger) Rhos Goch House junction			
Culvert north of Green Acres			
Culvert north of previous culvert			
River Ithon Bridge			

## Dormouse mitigation sites & features

TR	Location	Grid ref		Installation date
A479	Talgarth Bypass over Pendre Culvert			
A479	Talgarth Bypass in Pendre Culvert			
<b>A470</b>	<b>Maes yr Helmau Cross Foxes</b>			
	<b>Oversized culvert - south of bat bridge (ch. 520)</b>	<b>275821</b>	<b>318145</b>	<b>2013</b>

## Bat mitigation features

TR	Location	Grid ref		Installation date
A479	Talgarth Bypass - New Pendre Culvert			
<b>A470</b>	<b>Maes Yr Helmau</b>			
	<b>Oversized culvert - south of bat bridge (ch. 520)</b>	<b>275821</b>	<b>318145</b>	<b>2013</b>
	<b>Oversized culvert - south of Tabor junction (ch. 1000)</b>	<b>276018</b>	<b>317701</b>	<b>2013</b>
	<b>Oversized culvert - north of Rhiwspardyn (ch. 1800)</b>	<b>276406</b>	<b>317096</b>	<b>2013</b>
	<b>Aeriad crossing structure</b>	<b>275803</b>	<b>318184</b>	<b>2013</b>
A487	Llanwnda			
	Bat bridge			2010
	Bat Deterrent Lighting			2002
	Culvert - Glynliffion			2001
	Bat fencing various locations			2001-3
	Planting various locations			
	Bethesda Bach Bridge - west			2001
A470	Llanrwst to Hafod			
	Culvert of Afon gallt y gwg			
A470	Penloyn to Tan Lan			
	Culvert at Tan Lan Farm			
<b>A487</b>	<b>Porthmadog</b>			
	<b>Culvert west of Tremadog underbridge (C3)</b>	<b>255870</b>	<b>339872</b>	<b>2011</b>
	<b>Culvert west of Glanrafon (C8)</b>	<b>256848</b>	<b>339562</b>	<b>2011</b>
	<b>Culvert beneath quarry access (C15)</b>	<b>259563</b>	<b>338904</b>	<b>2011</b>
	<b>Culvert east of quarry access (C16)</b>	<b>259698</b>	<b>338860</b>	<b>2011</b>
	<b>Large dry culvert west of Erw Wen Road (C17)</b>	<b>259862</b>	<b>338799</b>	<b>2011</b>
	<b>Large dry culvert east of Erw Wen Road (C18)</b>	<b>259949</b>	<b>338761</b>	<b>2011</b>
	<b>Environmental Overbridge</b>	<b>260027</b>	<b>338720</b>	<b>2011</b>
	<b>Ffestiniog Overbridge</b>	<b>260143</b>	<b>338640</b>	<b>2011</b>
A470	Cwmbach to Newbridge			
	Culvert at Cwrt Llechryd			
	bridge over dulas brook			
	culvert south of Red House			
	Red House overbridge			
	Culvert stream Little Smithfield			
	Culvert Rhydfelinfach/Rhydfelin fach access			
	Culvert north of Green Acres			
	Culvert north of previous culvert			
	River Ithon Bridge			