

Contents

List of figures	xi
List of tables.....	xiii
Foreword.....	xiv
1. An Introduction to Rochelongue Shipwreck	1
1.1 Introduction.....	1
1.2 Significance.....	1
1.3 Research purpose	2
1.3.1 Research Questions.....	2
1.3.2 Aims	2
1.4 The Mediterranean context.....	3
1.5 The connected past: mobility, migration and connectivity.....	3
1.6 Conclusions.....	4
2. Background: The Late Bronze and Early Iron Age in Southern France.....	5
2.1 The geographical area of study.....	5
2.2 Chronology of the Late Bronze–to–Early Iron Age Transition (ninth–seventh centuries B.C.).....	6
2.3 The local actors	9
2.3.1 Social, cultural and political landscape (LBA–EIA transition)	9
2.3.2 Launac and the Launacien	13
2.4 The external actors.....	14
2.4.1 The Metal as motivation	14
2.4.2 Phoenicians	15
2.4.3 Greeks	16
2.4.4 Etruscans.....	18
2.5 Conclusion	19
3. Research Background—Rochelongue and the Launacien	21
3.1 Introduction.....	21
3.2 The site.....	21
3.2.1 Rochelongue discovery and excavation.....	22
3.3 The assemblage.....	28
3.3.1 Rochelongue underwater site: local or foreign?	29
3.3.2 Rochelongue underwater site. Shipwreck or votive deposit?	29
3.3.3 Material distribution on the site	32
3.3.4 Rochelongue underwater site. A contact zone?.....	33
3.4 Conclusion	33
4. Re-Connecting The Sea. Social Network Analysis and Actor Network Theory in Shipwreck Archaeology	35
4.1 Introduction.....	35
4.2 Materiality and scale.....	36
4.3 Actor network theory.....	36
4.4 Social network analysis	37
4.4.1 Social psychology and networks.....	37
4.4.2 Social anthropology and networks.....	38
4.5 Archaeological Network Analysis	39
4.5.1 Why use Network Analysis in Archaeology?	40
4.5.2 Network Analysis and Maritime Connectivity	41
4.6 Conclusion	42
5. Methods.....	43
5.1 Introduction.....	43
5.2 Permits and collaboration	43

5.3 The catalogue.....	43
5.3.1 Metal recording.....	44
5.3.2 The minimum number of individuals.....	44
5.4 The provenance studies (LIA, EDXRF, ICP-MS).....	46
5.4.1 Portable energy dispersive X-Ray fluorescence (EDXRF).....	47
5.4.2 Lead isotope analysis (LIA) and inductively coupled plasma mass spectrometry (ICP-MS).....	47
5.4.3 Proposed sampling method and sample treatment.....	48
5.5 Maritime connectivity model.....	49
5.5.1 Network analysis model.....	49
5.5.2 Two-mode and ego-network-model.....	49
5.5.3 The Use of a Georeferenced Information System in Maritime connectivity.....	51
5.5.4 The Vessel.....	51
5.5.5 Modelling distance and time across the sea.....	52
5.5.6 Model analysis.....	55
5.6 Conclusion.....	55
6. Results.....	57
6.1. Introduction.....	57
6.2. Artefacts Recording.....	57
6.2.1 Chronological considerations.....	74
6.3. Metallurgical analyses and applications.....	75
6.3.1 Portable X-Ray Fluorescence (pXRF).....	75
6.3.2 pXRF data reliability.....	76
6.3.3 Results of elemental analysis.....	77
6.3.4 Cumulative rate of impurities.....	79
6.3.5 Lead Isotope Analysis.....	79
6.4. The Maritime Connectivity Model.....	82
6.4.1 Two-mode network.....	87
6.4.2 Ego network.....	89
6.4.3 Geo-referential Information System applied to Maritime Model.....	90
6.5. Conclusion.....	96
7. Rochelongue Shipwreck and the Contact Zone.....	97
7.1 Introduction.....	97
7.2. Defining Rochelongue.....	97
7.3. Cultural connectivity: the contact zone.....	103
7.4 Conclusion.....	110
8. Conclusion.....	111
Bibliography.....	119
Appendix 1.....	139